

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097699.D
 Acq On : 15 Aug 2017 19:03
 Operator : SJ/JU
 Sample : I4754-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:49:10 PM

Quant Time: Aug 16 11:08:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132774	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	531790	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	243841	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	470128	20.00	ng	0.00
75) Chrysene-d12	13.94	240	283606	20.00	ng	0.00
86) Perylene-d12	15.36	264	266098	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	844206	96.71	ng	0.00
7) Phenol-d6	6.42	99	1160448	97.84	ng	0.00
23) Nitrobenzene-d5	7.35	82	698649	71.37	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	217599	102.85	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	949402	57.20	ng	0.00
78) Terphenyl-d14	12.89	244	792129	58.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.51	88	117548	24.147	ng	91
3) Pyridine	3.23	79	332703	24.722	ng	88
4) n-Nitrosodimethylamine	3.17	42	149984	28.964	ng	84
6) Aniline	6.45	93	426630	25.606	ng	97
8) 2-Chlorophenol	6.57	128	286514	31.124	ng	98
9) Benzaldehyde	6.33	77	137771	18.339	ng	85
10) Phenol	6.43	94	465305	33.545	ng	92
11) bis(2-Chloroethyl)ether	6.52	93	313033	29.900	ng	97
12) 1,3-Dichlorobenzene	6.72	146	278141	28.089	ng	# 91
13) 1,4-Dichlorobenzene	6.80	146	282980	28.099	ng	# 95
14) 1,2-Dichlorobenzene	6.96	146	271961	29.287	ng	99
15) Benzyl Alcohol	6.92	79	302211	34.034	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.06	45	430890	30.590	ng	92
17) 2-Methylphenol	7.03	107	263015	32.421	ng	96
18) Hexachloroethane	7.30	117	114738	29.060	ng	# 79
19) n-Nitroso-di-n-propylamine	7.20	70	242447	29.862	ng	91
20) 3+4-Methylphenols	7.19	107	325281	32.829	ng	# 88
22) Acetophenone	7.19	105	427947	30.462	ng	# 90
24) Nitrobenzene	7.36	77	366312	33.608	ng	91
25) Isophorone	7.60	82	663812	32.612	ng	96
26) 2-Nitrophenol	7.68	139	135816	35.884	ng	# 73
27) 2,4-Dimethylphenol	7.72	122	265867	31.318	ng	93
28) bis(2-Chloroethoxy)methane	7.82	93	408129	30.498	ng	99
29) 2,4-Dichlorophenol	7.92	162	224867	31.910	ng	94
30) 1,2,4-Trichlorobenzene	8.01	180	223527	28.614	ng	97
31) Naphthalene	8.09	128	816248	29.566	ng	99
32) Benzoic acid	7.82	122	147022	27.003	ng	88
33) 4-Chloroaniline	8.13	127	302014	25.939	ng	98
34) Hexachlorobutadiene	8.21	225	128665	28.209	ng	98
35) Caprolactam	8.50	113	81951m	34.208	ng	
36) 4-Chloro-3-methylphenol	8.62	107	283982	31.366	ng	# 79
37) 2-Methylnaphthalene	8.78	142	531116	31.378	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	212875	28.446	ng	# 97
40) Hexachlorocyclopentadiene	8.93	237	228898	63.669	ng	99

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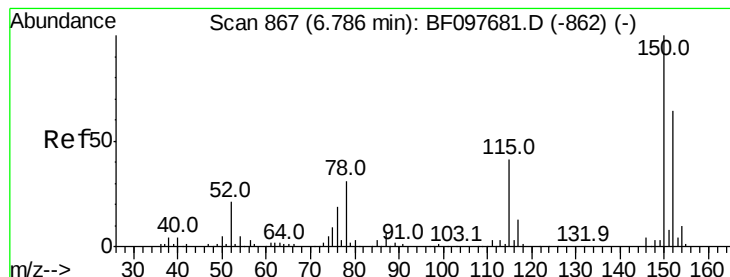
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	155463	30.943	nq	97
43) 2,4,5-Trichlorophenol	9.09	196	165529	33.210	nq	96
45) 1,1'-Biphenyl	9.25	154	635600	28.584	nq	96
46) 2-Chloronaphthalene	9.27	162	466070	28.368	nq	# 92
47) 2-Nitroaniline	9.36	65	181837	33.014	nq	97
48) Acenaphthylene	9.68	152	776910	30.112	nq	100
49) Dimethylphthalate	9.55	163	673284	37.774	nq	99
50) 2,6-Dinitrotoluene	9.60	165	118951	33.433	nq	# 50
51) Acenaphthene	9.86	154	512098	31.471	nq	100
52) 3-Nitroaniline	9.77	138	125549	27.351	nq	# 79
53) 2,4-Dinitrophenol	9.87	184	90862	57.023	nq	# 78
54) Dibenzofuran	10.03	168	695789	31.905	nq	100
55) 4-Nitrophenol	9.93	139	218401	59.644	nq	# 35
56) 2,4-Dinitrotoluene	10.00	165	159318	35.682	nq	# 49
57) Fluorene	10.37	166	504510	29.922	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.14	232	138338	35.848	nq	94
59) Diethylphthalate	10.25	149	596148	31.983	nq	100
60) 4-Chlorophenyl-phenylether	10.36	204	235671	30.087	nq	89
61) 4-Nitroaniline	10.39	138	133108	30.510	nq	# 72
62) Azobenzene	10.52	77	722422	32.629	nq	92
64) 4,6-Dinitro-2-methylphenol	10.41	198	64904	32.539	nq	88
65) n-Nitrosodiphenylamine	10.48	169	475725	29.716	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	145667	29.838	nq	98
67) Hexachlorobenzene	10.92	284	140781	28.292	nq	# 92
68) Atrazine	11.01	200	142376	33.535	nq	97
69) Pentachlorophenol	11.10	266	176239	60.745	nq	98
70) Phenanthrene	11.33	178	752356	30.032	nq	100
71) Anthracene	11.38	178	767613	30.210	nq	99
72) Carbazole	11.53	167	709103	29.400	nq	99
73) Di-n-butylphthalate	11.87	149	915618	32.958	nq	99
74) Fluoranthene	12.51	202	745028	28.493	nq	98
76) Benzidine	12.63	184	211112m	22.703	nq	
77) Pyrene	12.74	202	744216	32.084	nq	99
79) Butylbenzylphthalate	13.37	149	335486	37.724	nq	# 68
80) Benzo(a)anthracene	13.93	228	508372	29.908	nq	100
81) 3,3'-Dichlorobenzidine	13.89	252	158551	27.643	nq	# 96
82) Chrysene	13.96	228	494751	29.260	nq	100
83) Bis(2-ethylhexyl)phthalate	13.93	149	406943	41.294	nq	# 99
84) Di-n-octyl phthalate	14.54	149	677848	39.532	nq	100
85) Indeno(1,2,3-cd)pyrene	16.76	276	521070	41.891	nq	95
87) Benzo(b)fluoranthene	14.96	252	468042	27.904	nq	98
88) Benzo(k)fluoranthene	14.98	252	436504	27.700	nq	# 94
89) Benzo(a)pyrene	15.30	252	445042	29.972	nq	99
90) Dibenzo(a,h)anthracene	16.79	278	427432	35.358	nq	99
91) Benzo(g,h,i)perylene	17.19	276	445662	35.332	nq	93

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



#1

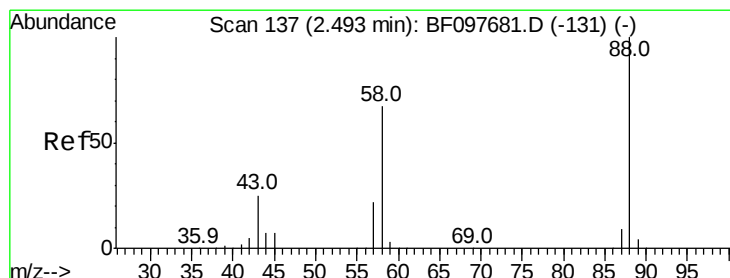
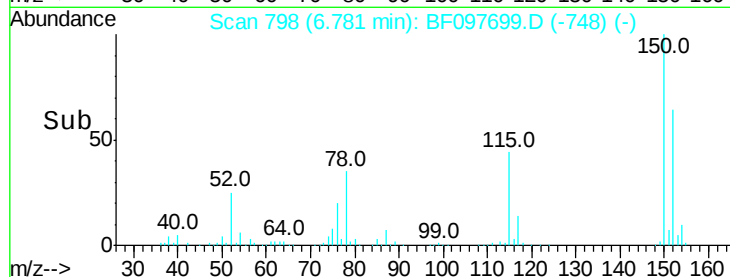
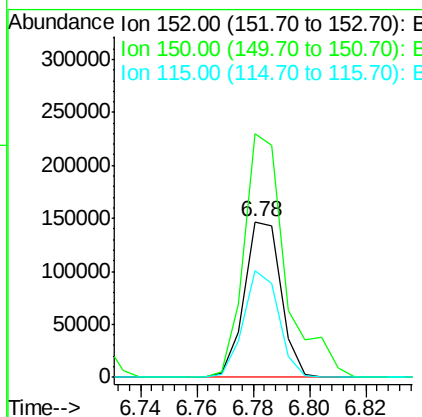
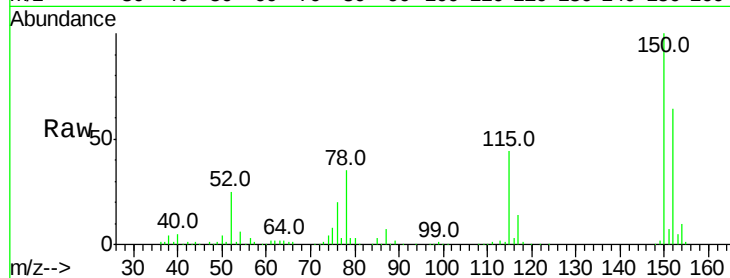
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	68.8	52.2	78.2

Manual Integrations
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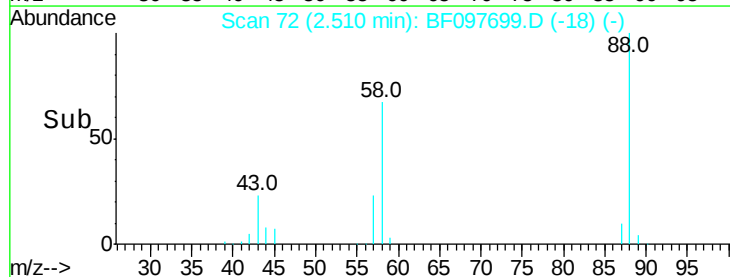
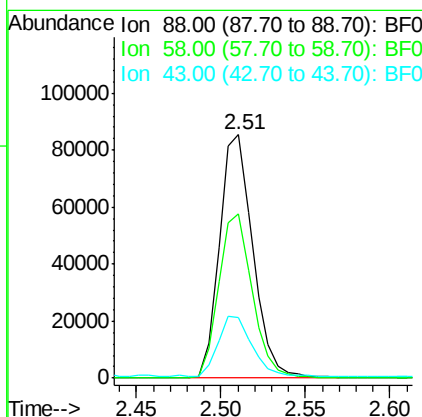
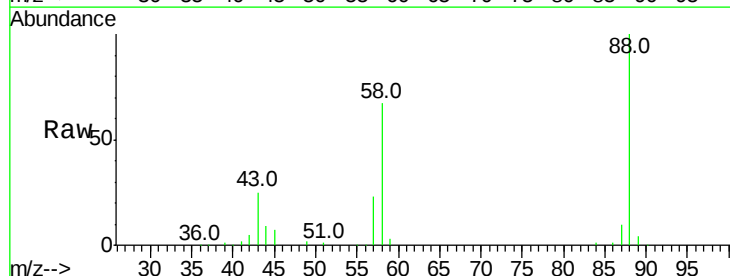
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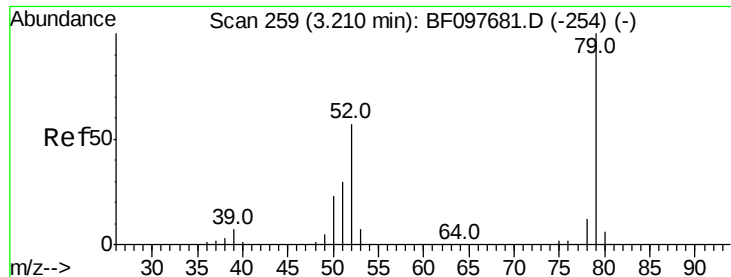


#2

1,4-Dioxane
 Concen: 24.147 ng
 RT: 2.51 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	61.4	92.0
43	25.7	23.4	35.0





#3

Pvridine

Concen: 24.722 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.02 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

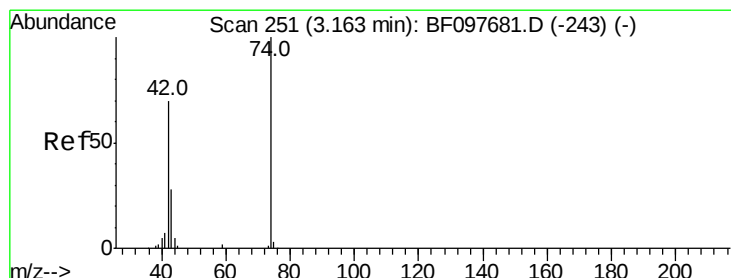
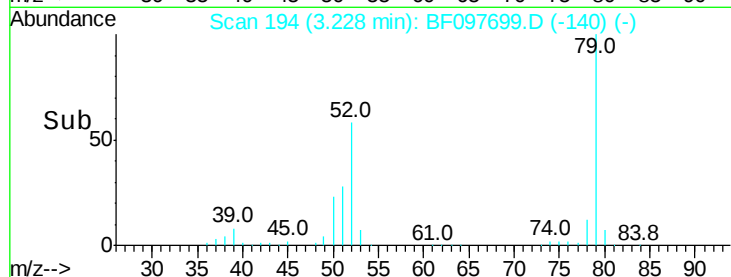
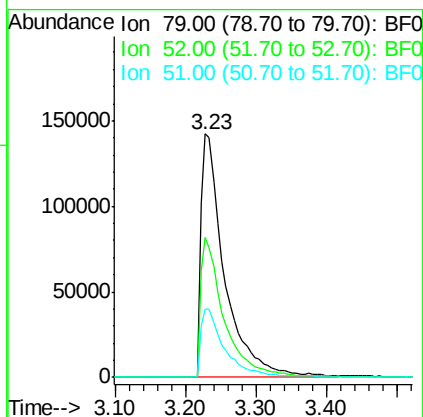
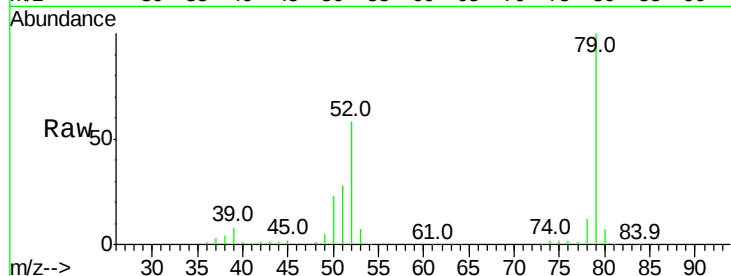
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	79	Resp:	332703
Ion Ratio	Lower	Upper	
79	100		
52	57.7	54.8	82.2
51	28.2	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 28.964 ng

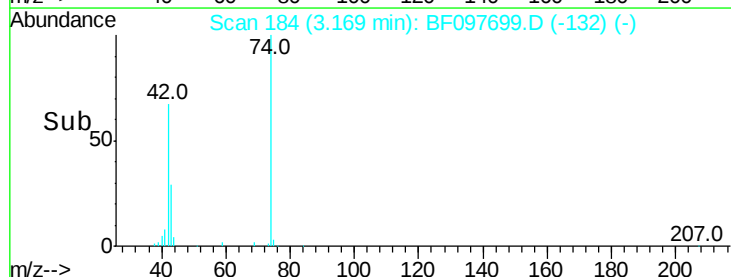
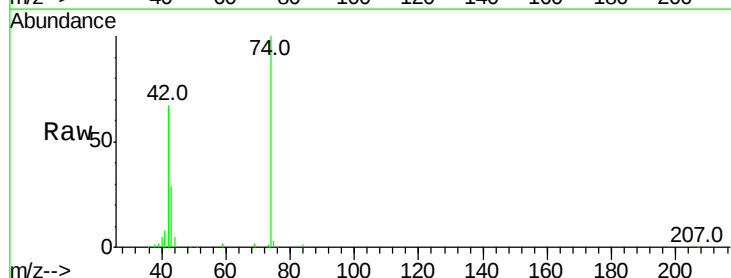
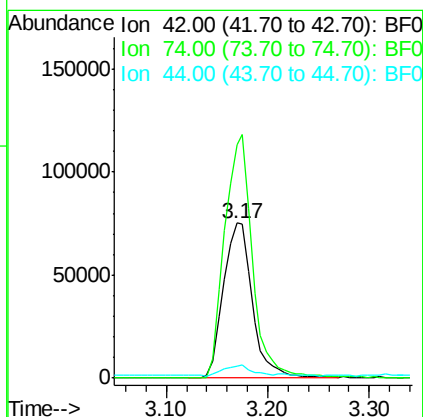
RT: 3.17 min Scan# 184

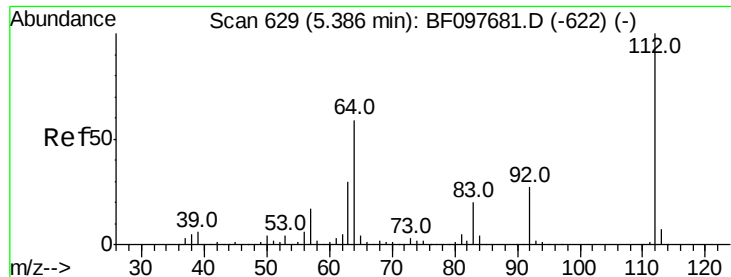
Delta R.T. 0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	42	Resp:	149984
Ion Ratio	Lower	Upper	
42	100		
74	150.0	103.9	155.9
44	7.9	5.7	8.5





#5

2-Fluorophenol

Concen: 96.713 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

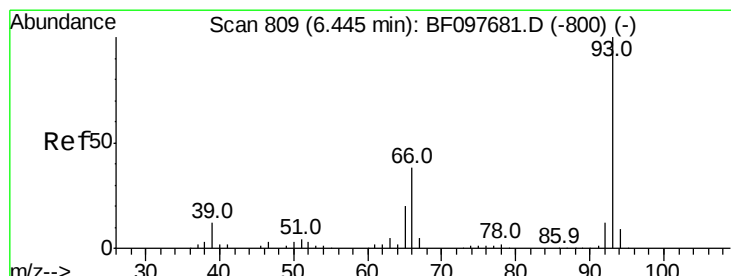
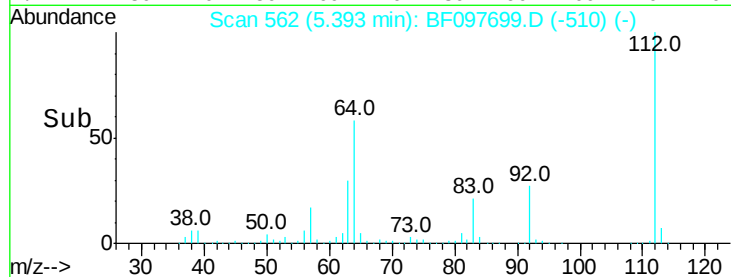
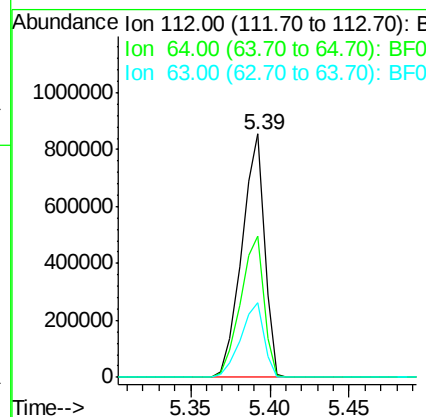
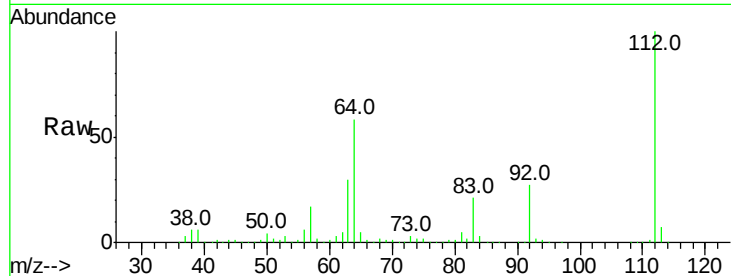
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	112	Resp:	844206
Ion Ratio	Lower	Upper	
112	100		
64	58.1	46.0	69.0
63	30.4	23.4	35.0

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#6

Aniline

Concen: 25.606 ng

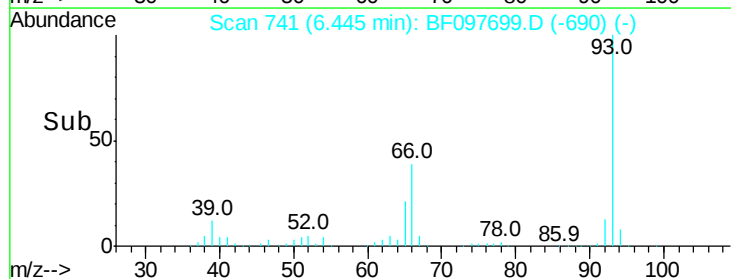
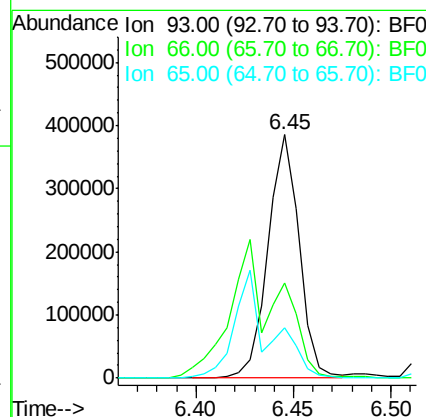
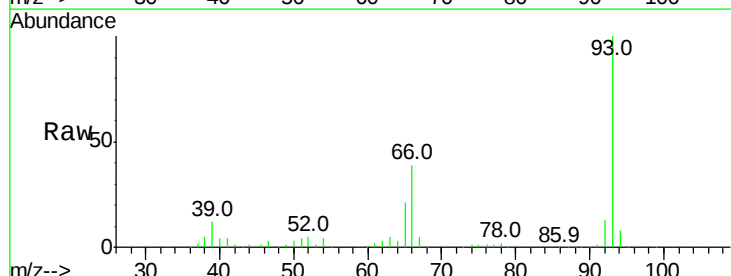
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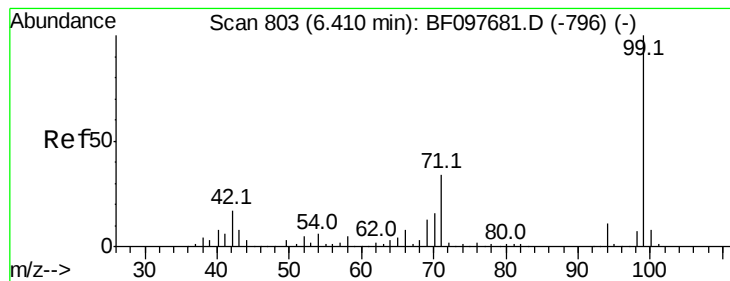
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	93	Resp:	426630
Ion Ratio	Lower	Upper	
93	100		
66	38.9	32.9	49.3
65	20.9	16.0	24.0





#7

Phenol-d6

Concen: 97.844 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion: 99 Resp: 1160448

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

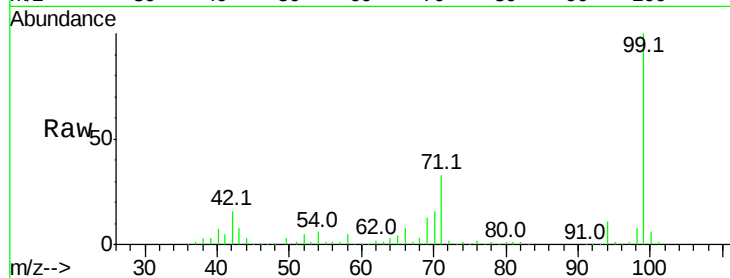
71 32.6 24.5 36.7

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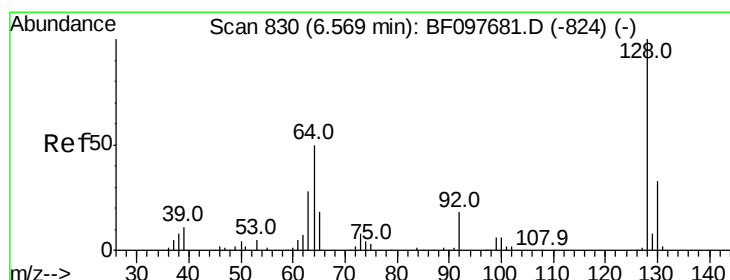
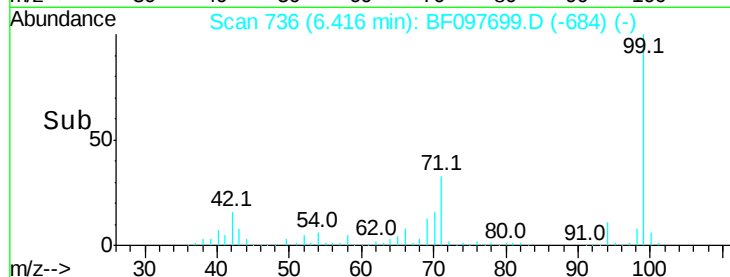
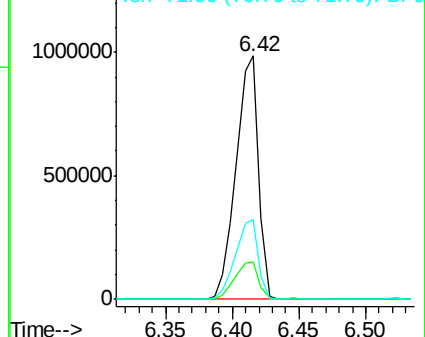
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 31.124 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

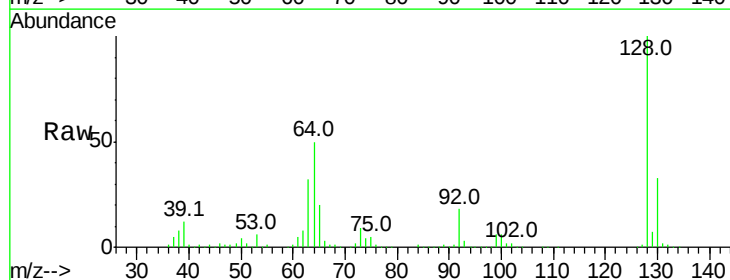
Tgt Ion:128 Resp: 286514

Ion Ratio Lower Upper

128 100

130 33.4 12.9 52.9

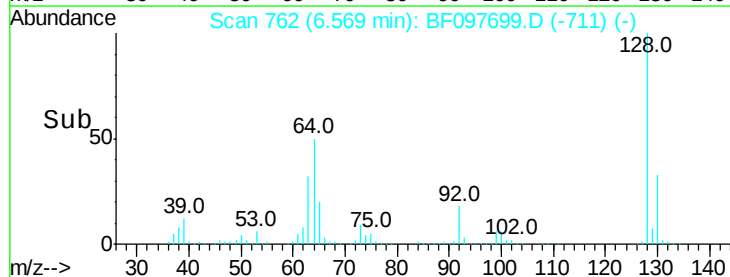
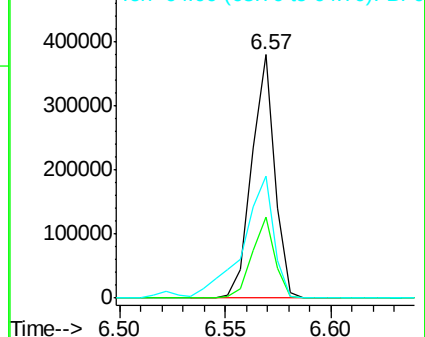
64 50.4 28.4 68.4

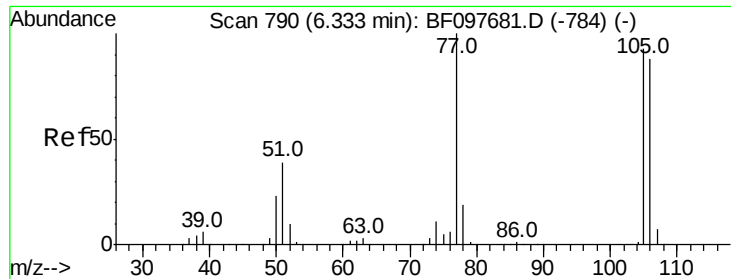


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.339 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

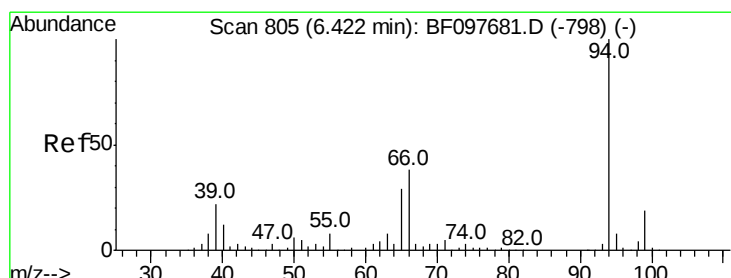
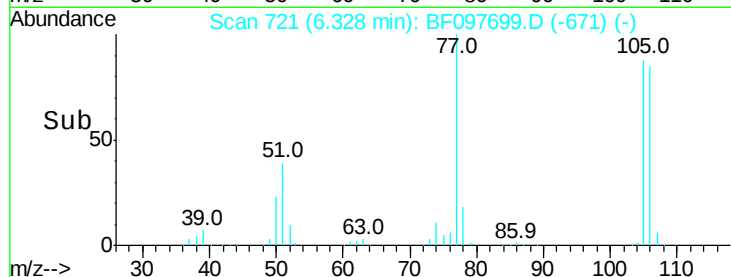
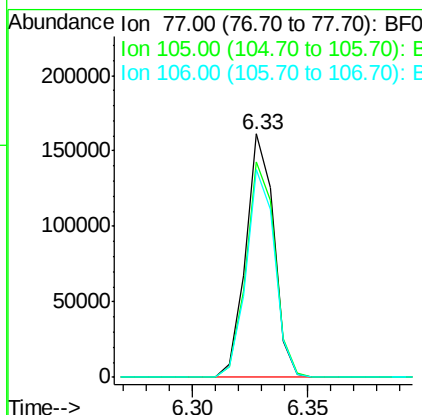
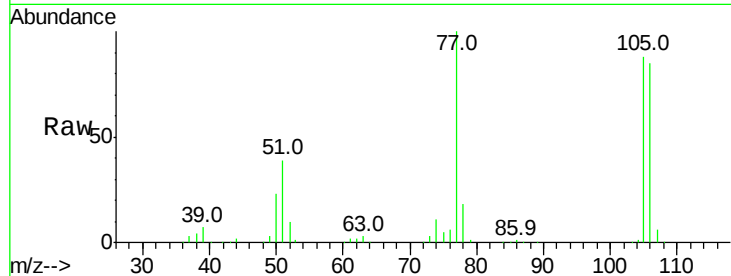
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	77	Resp:	137771
Ion Ratio	Lower	Upper	
77	100		
105	88.4	83.8	123.8
106	85.2	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 33.545 ng

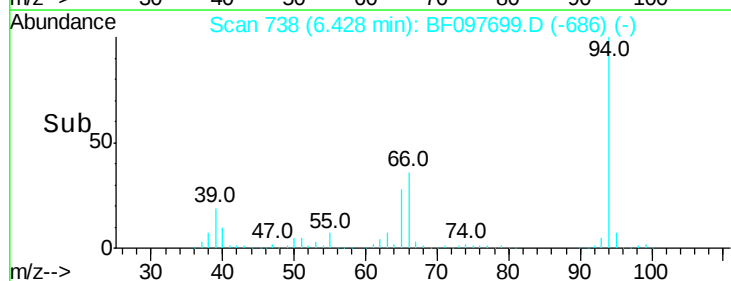
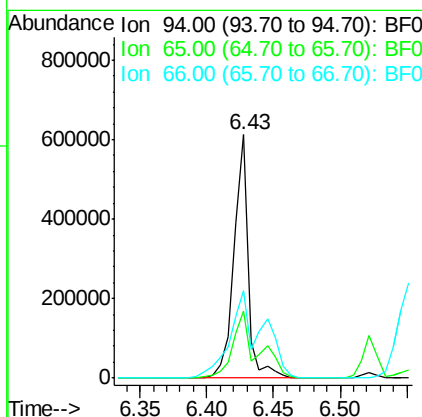
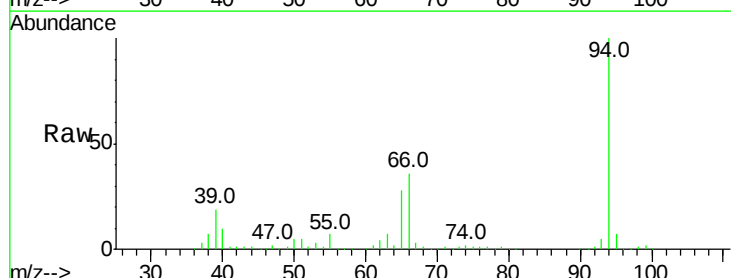
RT: 6.43 min Scan# 738

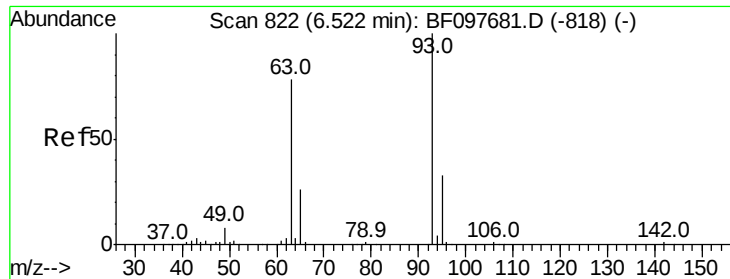
Delta R.T. 0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	94	Resp:	465305
Ion Ratio	Lower	Upper	
94	100		
65	27.8	9.9	49.9
66	36.0	23.1	63.1





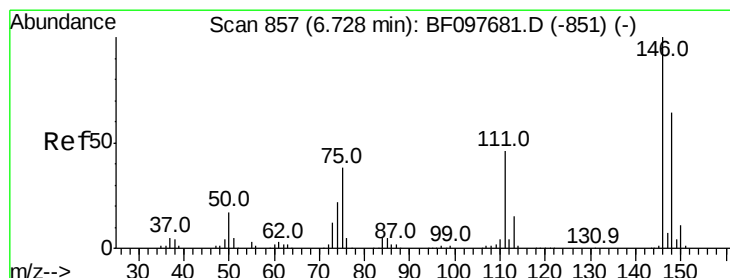
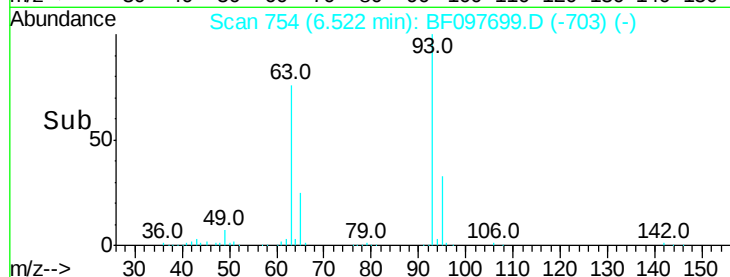
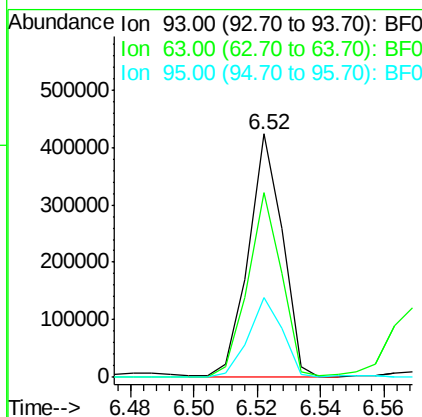
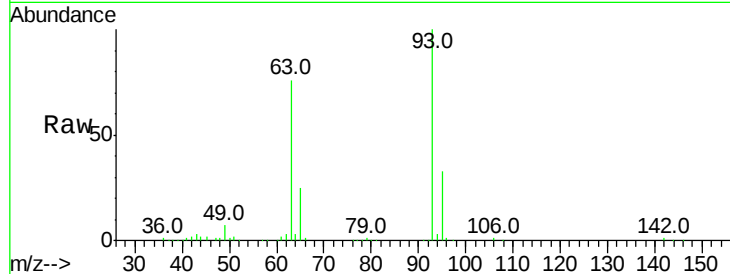
#11
bis(2-Chloroethyl)ether
Concen: 29.900 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	313033		
63	76.1	59.2	99.2	
95	32.7	12.8	52.8	

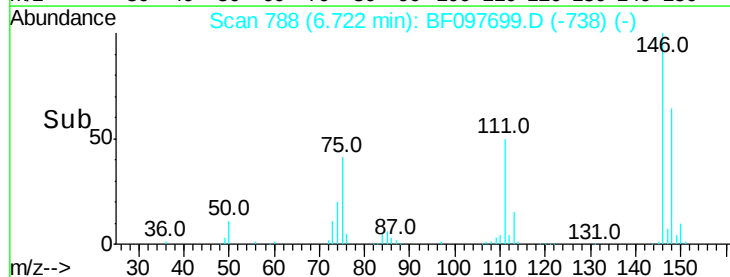
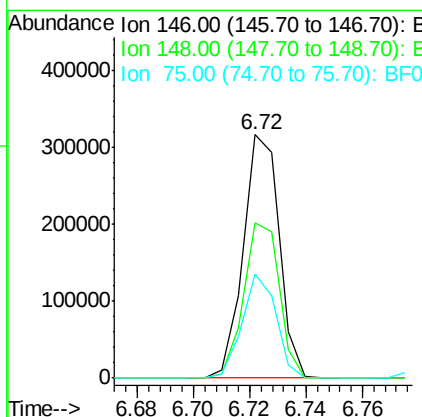
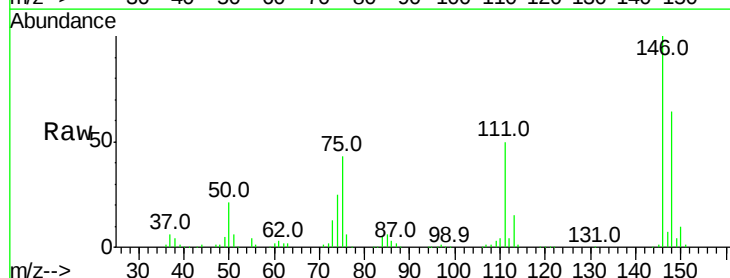
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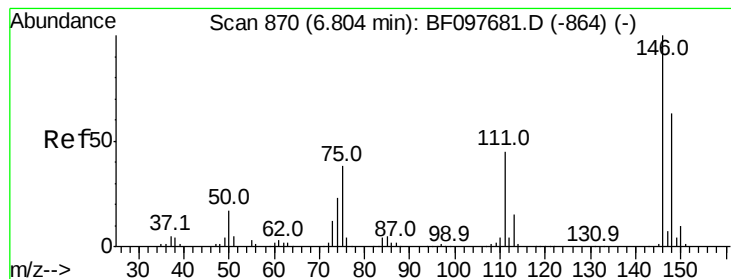
Sohil
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#12
1,3-Dichlorobenzene
Concen: 28.089 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278141		
148	63.6	51.8	77.6	
75	42.8	23.1	34.7#	





#13

1,4-Dichlorobenzene

Concen: 28.099 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

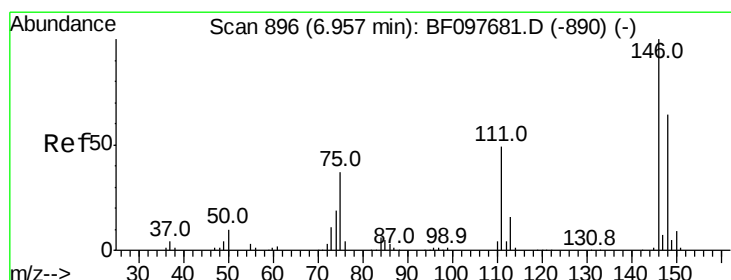
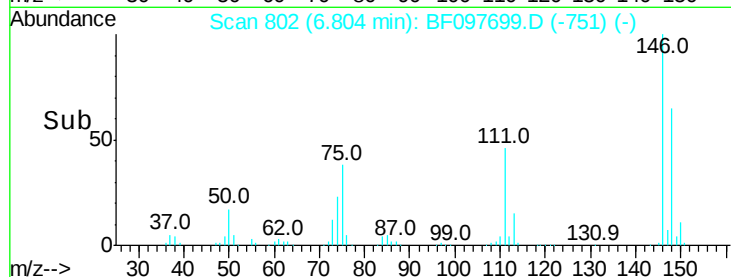
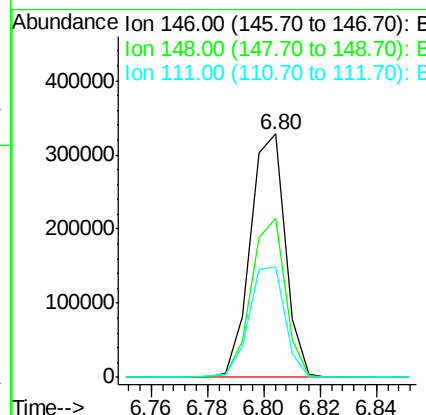
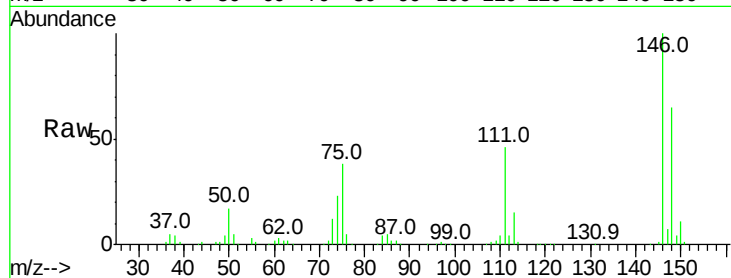
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	146	Resp:	282980
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.2	78.2
111	45.6	30.3	45.5#

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#14

1,2-Dichlorobenzene

Concen: 29.287 ng

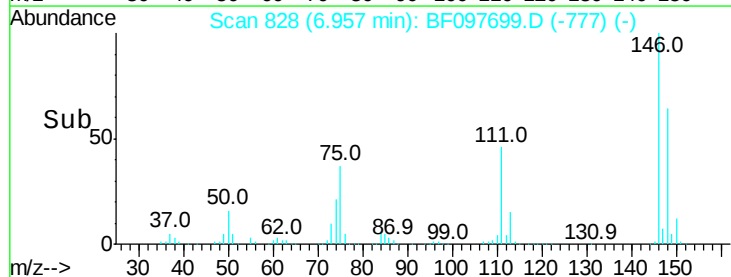
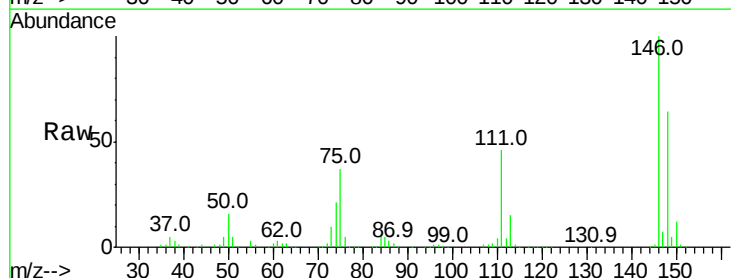
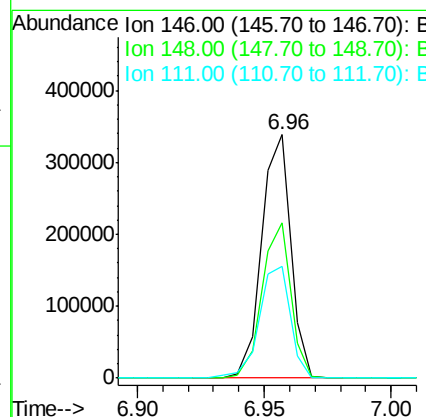
RT: 6.96 min Scan# 828

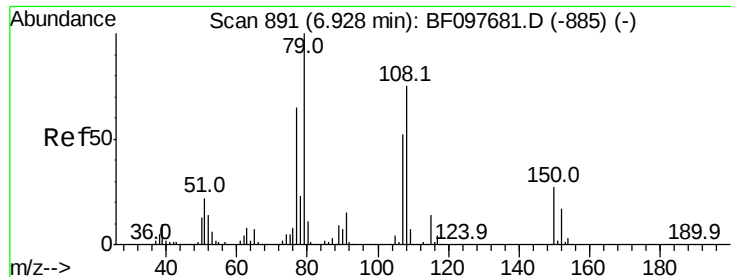
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	146	Resp:	271961
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.4	75.6
111	46.1	38.2	57.4





#15

Benzyl Alcohol

Concen: 34.034 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

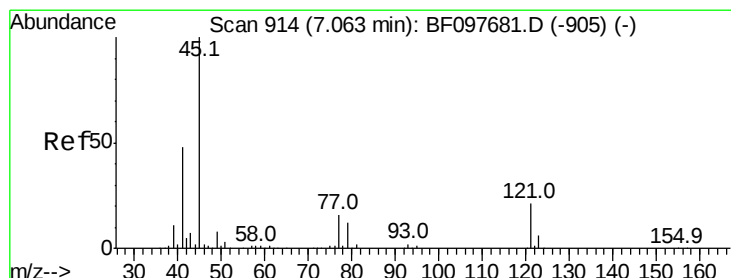
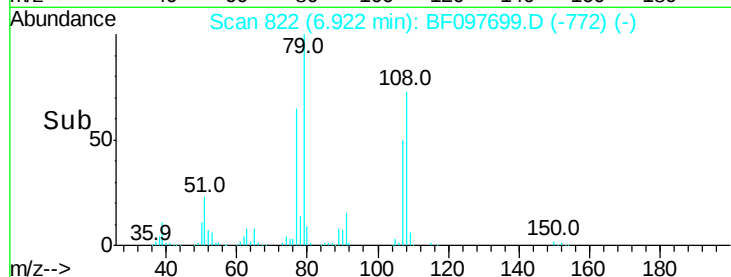
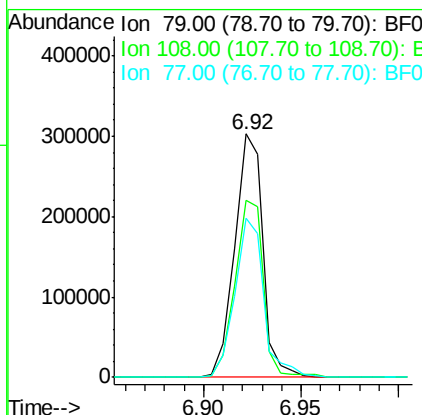
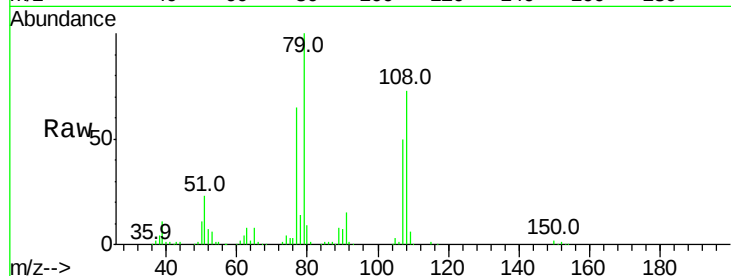
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	79	Resp:	302211
Ion Ratio	Lower	Upper	
79	100		
108	72.9	63.4	95.0
77	65.1	49.2	73.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.590 ng

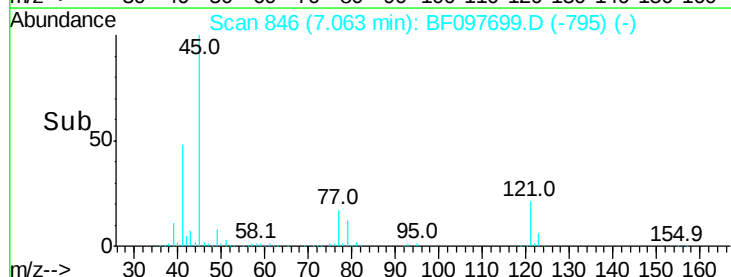
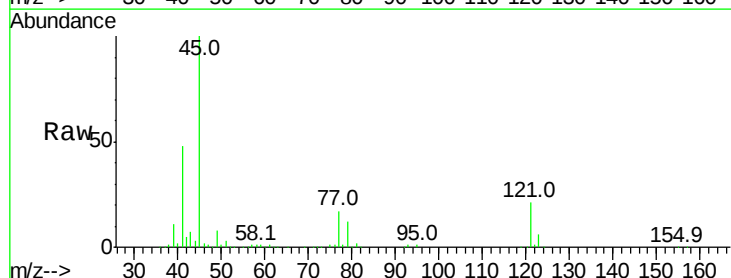
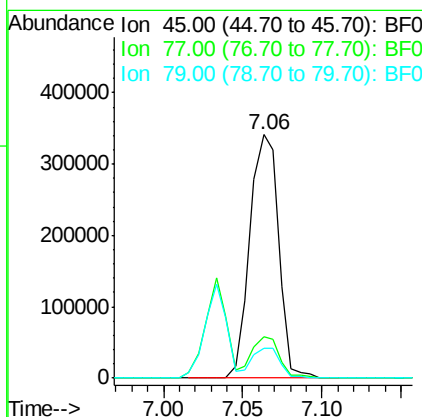
RT: 7.06 min Scan# 846

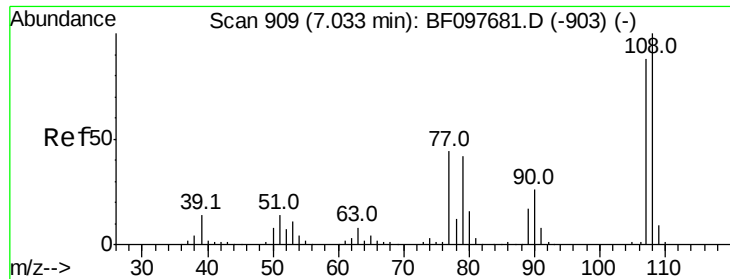
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	45	Resp:	430890
Ion Ratio	Lower	Upper	
45	100		
77	16.8	0.0	33.2
79	12.3	0.0	30.0





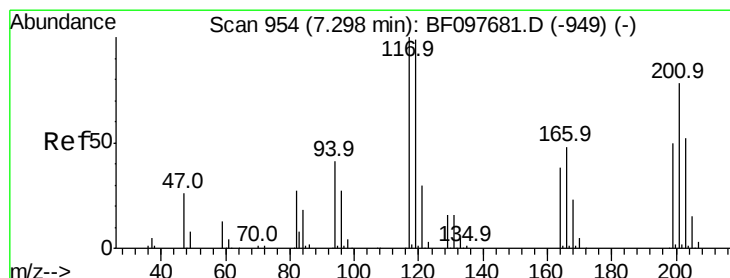
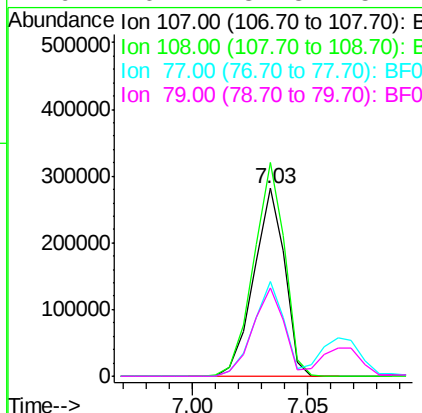
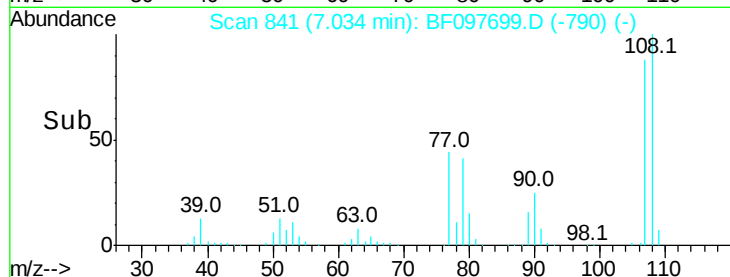
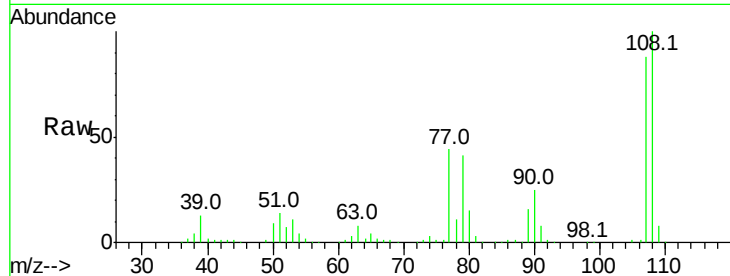
#17
2-Methylphenol
Concen: 32.421 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.7	93.4	140.0	
77	50.2	35.8	53.6	
79	46.7	34.8	52.2	

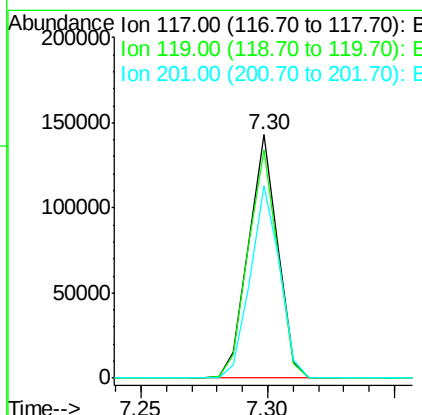
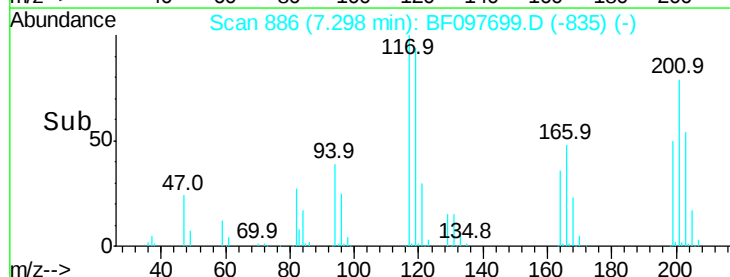
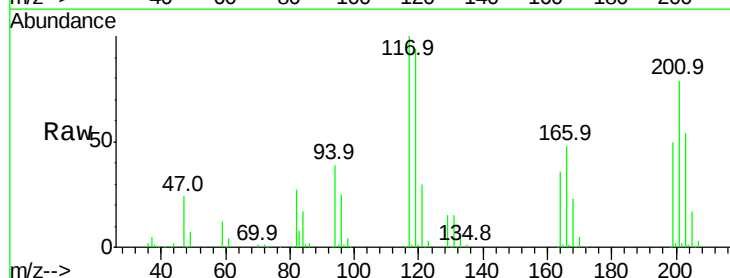
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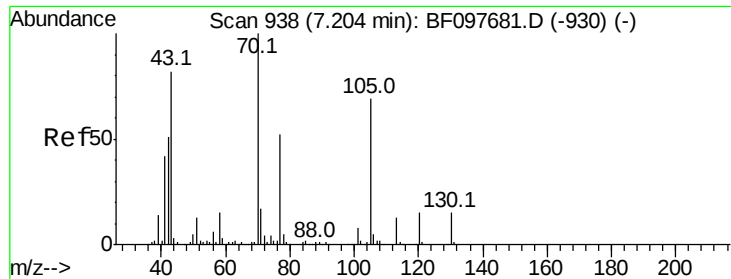
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#18
Hexachloroethane
Concen: 29.060 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.0	77.4	116.0	
201	78.8	94.6	141.8#	





#19

n-Nitroso-di-n-propylamine

Concen: 29.862 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

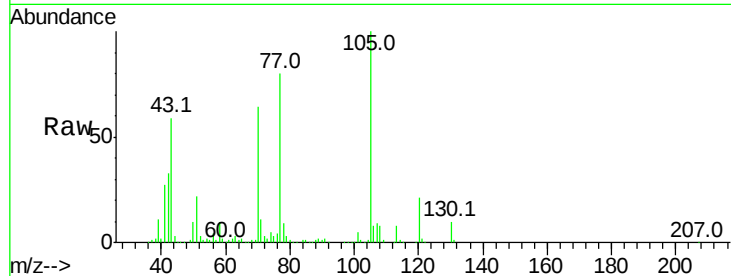
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	70	Resp:	242447
Ion Ratio	Lower	Upper	
70	100		
42	51.7	47.2	70.8
101	8.5	7.2	10.8
130	16.2	15.9	23.9

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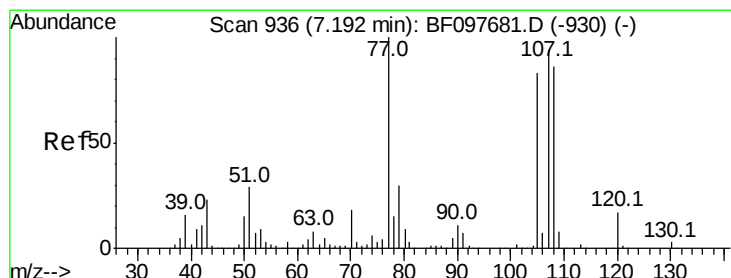
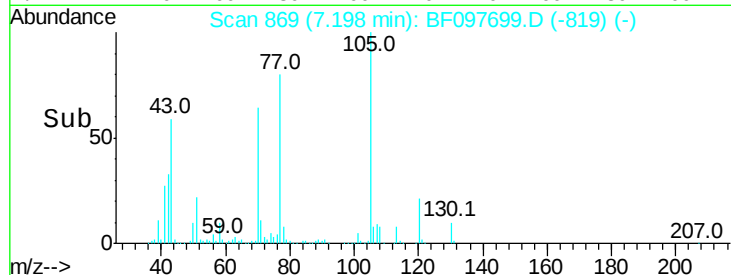
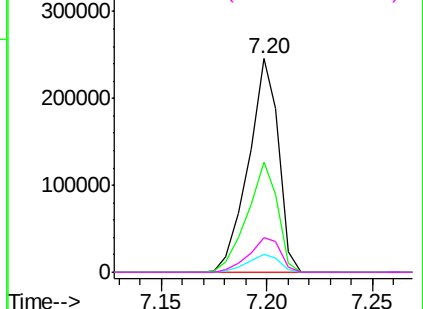


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 32.829 ng

RT: 7.19 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

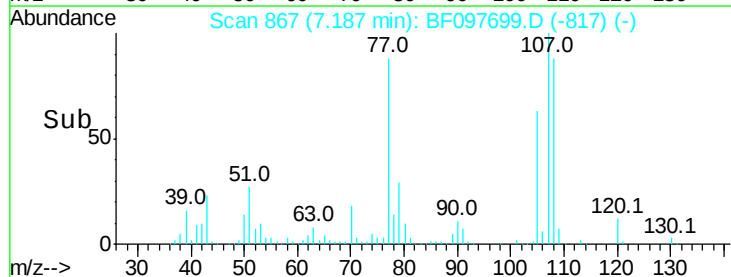
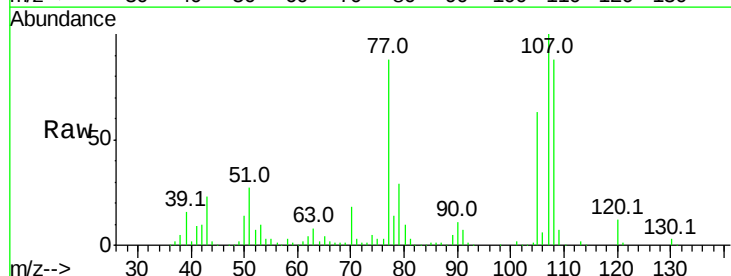
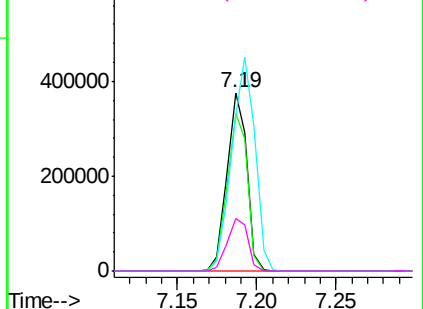
Tgt Ion:	107	Resp:	325281
Ion Ratio	Lower	Upper	
107	100		
108	88.0	71.0	111.0
77	87.7	90.5	130.5#
79	29.4	8.4	48.4

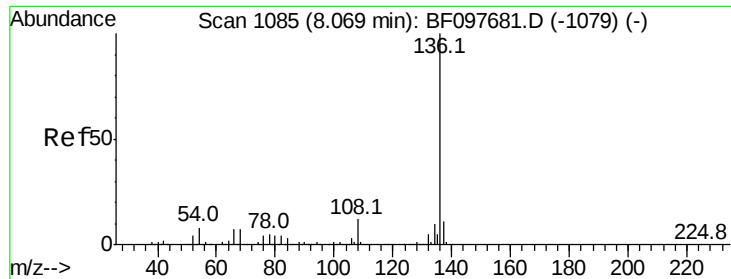
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

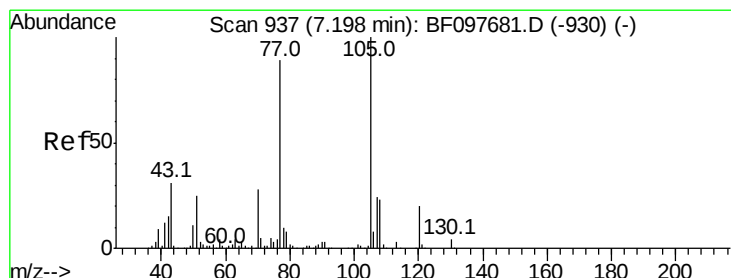
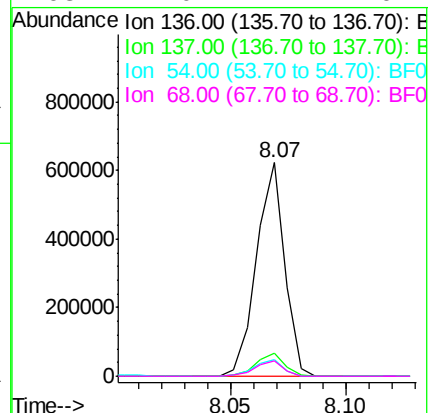
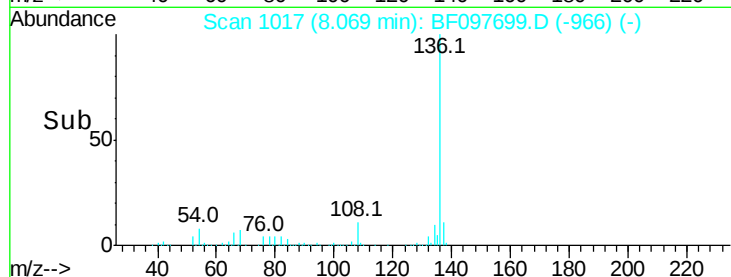
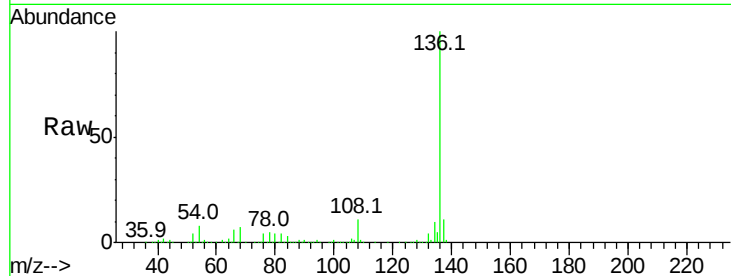
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.8	4.9	7.3#	
68	7.0	4.1	6.1#	

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#22

Acetophenone

Concen: 30.462 ng

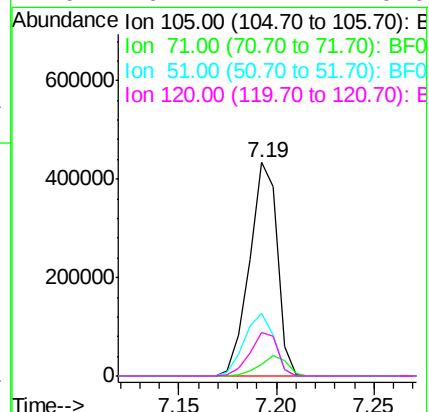
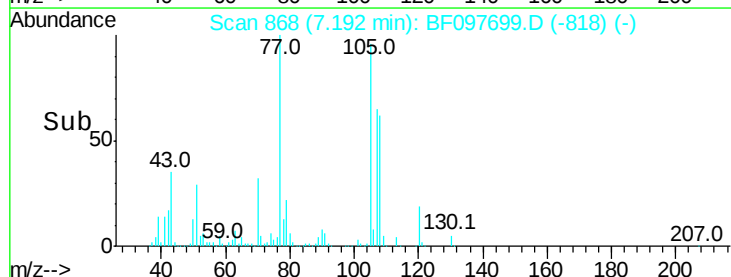
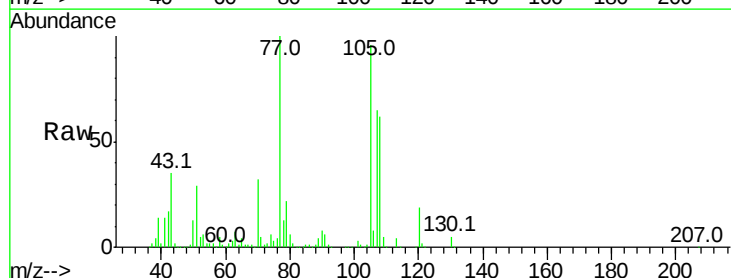
RT: 7.19 min Scan# 868

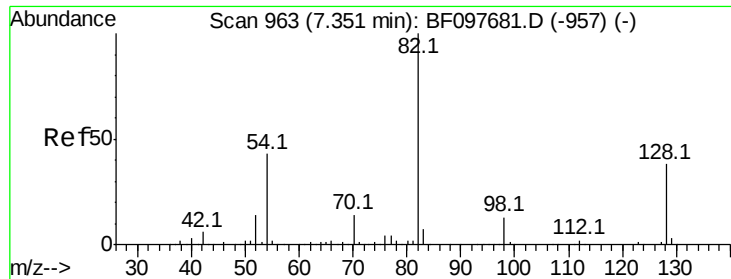
Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.4	2.8	4.2#	
51	29.6	30.7	46.1#	
120	20.2	17.4	26.0	





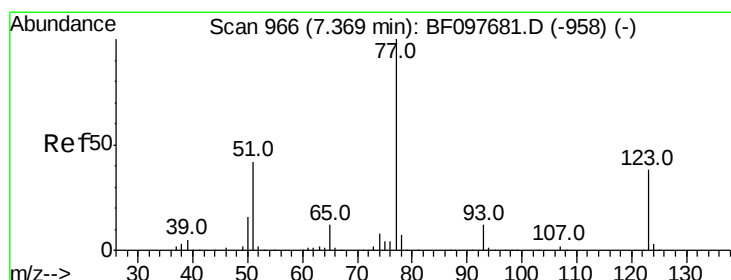
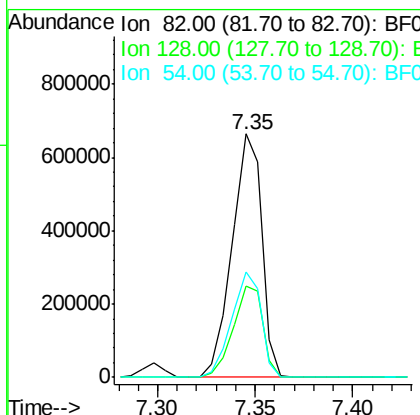
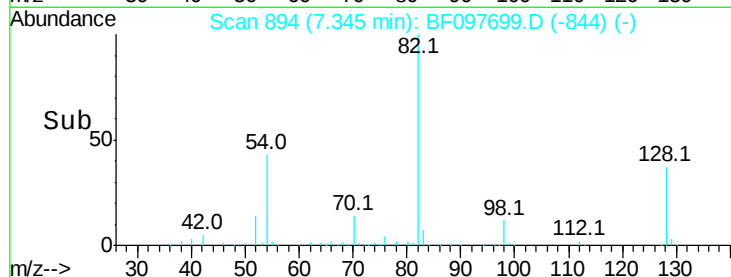
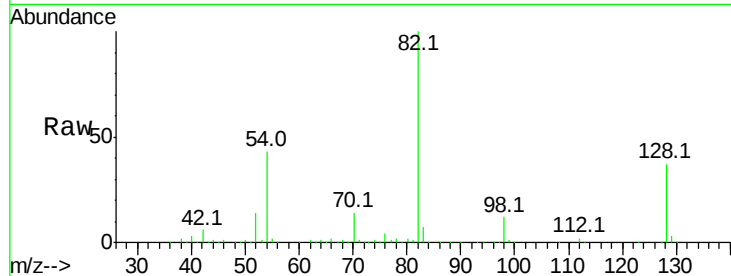
#23
Nitrobenzene-d5
Concen: 71.370 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	34.0	51.0	
54	43.5	42.2	63.2	

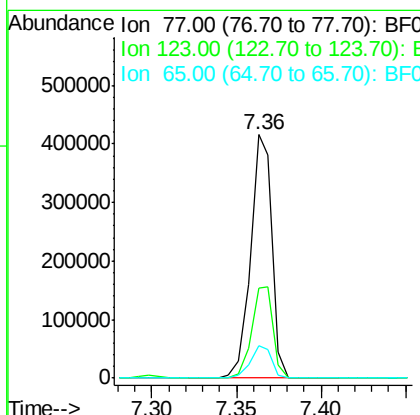
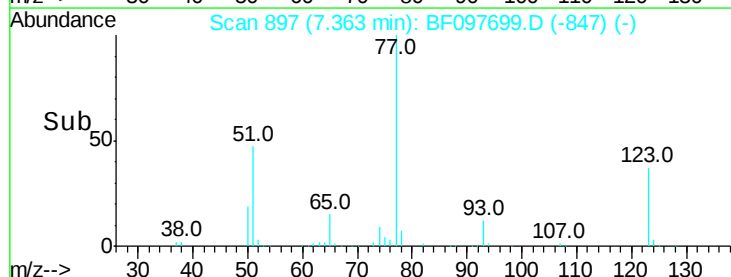
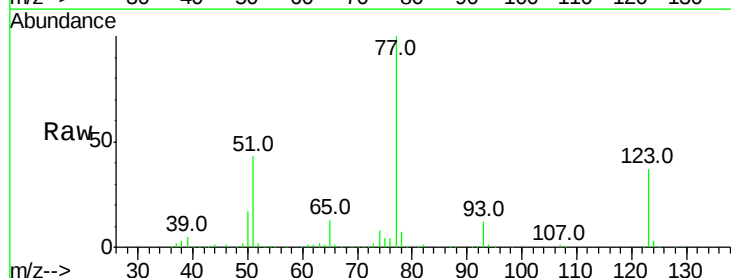
Manual Integrations
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#24
Nitrobenzene
Concen: 33.608 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	37.2	35.8	53.8	
65	13.1	10.6	15.8	





#25

Isophorone

Concen: 32.612 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

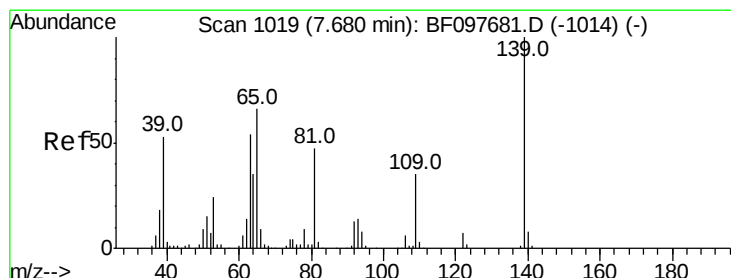
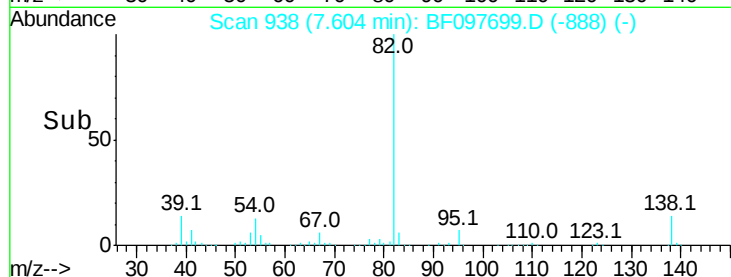
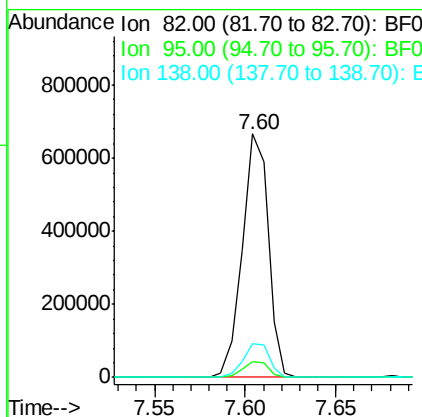
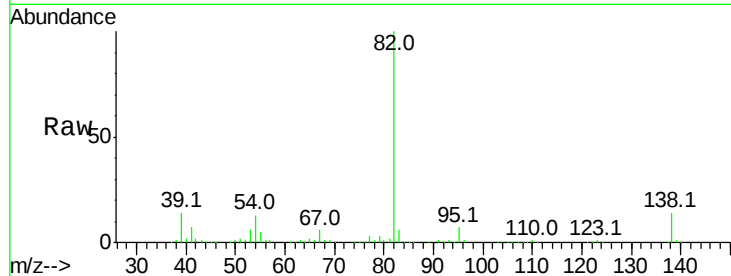
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	82	Resp:	663812
Ion Ratio		Lower	Upper
82	100		
95	6.6	5.3	7.9
138	13.8	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 35.884 ng

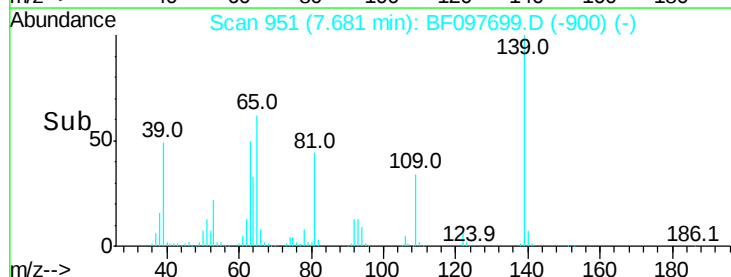
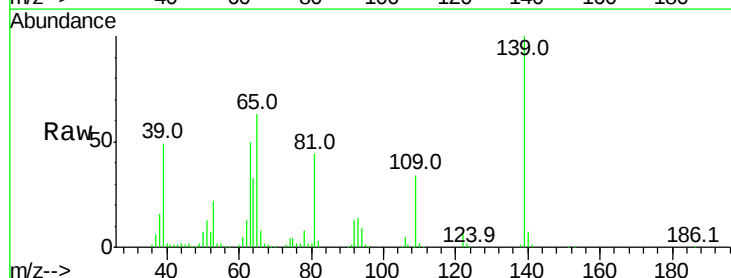
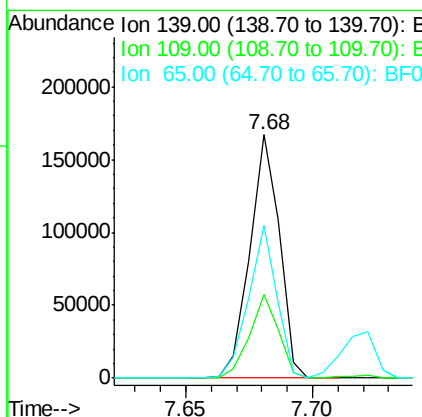
RT: 7.68 min Scan# 951

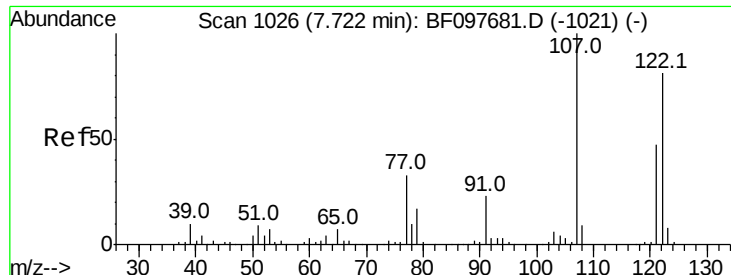
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	139	Resp:	135816
Ion Ratio		Lower	Upper
139	100		
109	34.2	21.0	31.6#
65	62.6	33.0	49.6#





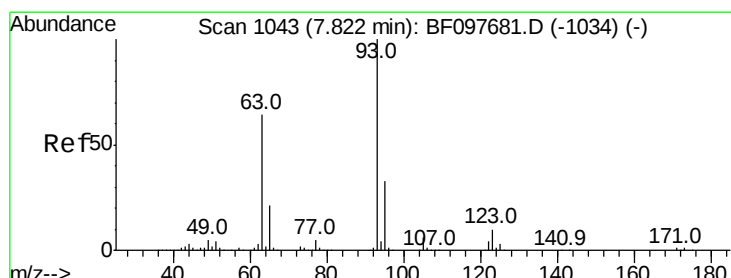
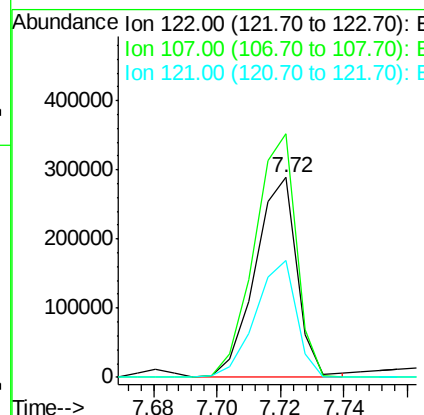
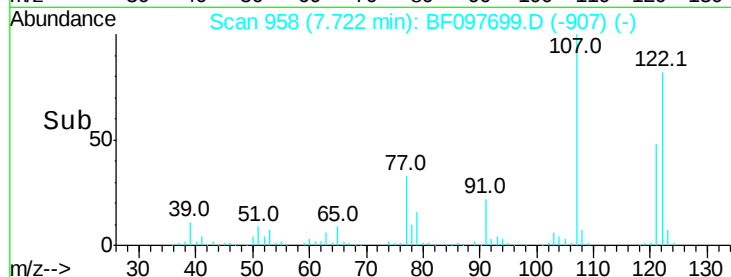
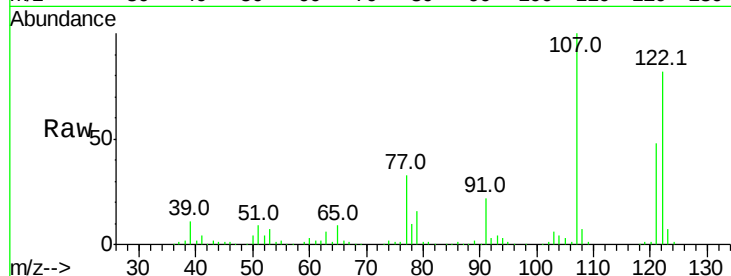
#27
 2,4-Dimethylphenol
 Concen: 31.318 ng
 RT: 7.72 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	121.7	89.2	133.8		
121	58.2	45.2	67.8		

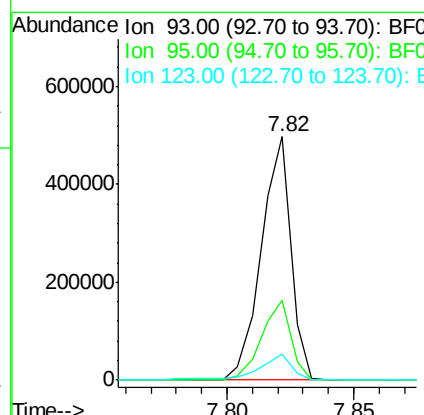
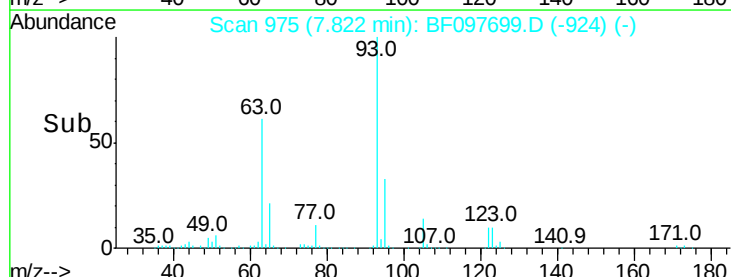
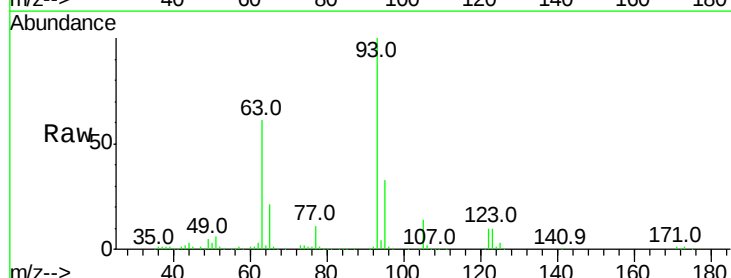
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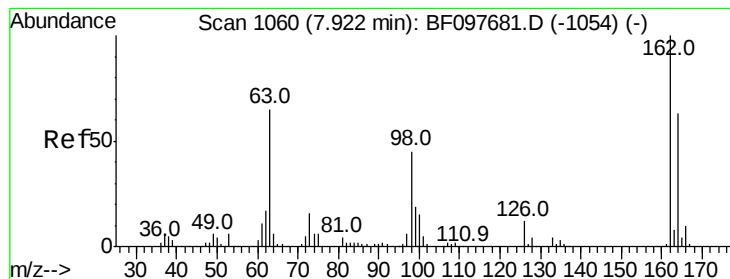
Sohil
 8/16/2017 6:49:10 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 30.498 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	32.6	26.5	39.7		
123	10.5	9.0	13.4		





#29

2,4-Dichlorophenol

Concen: 31.910 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

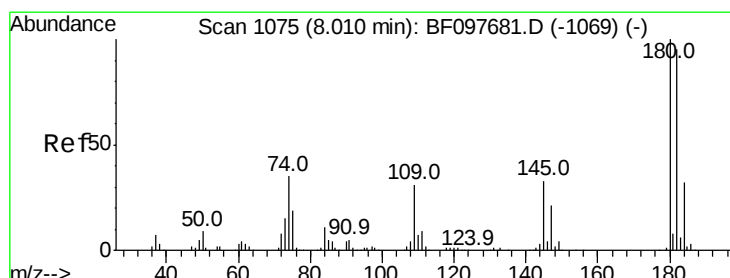
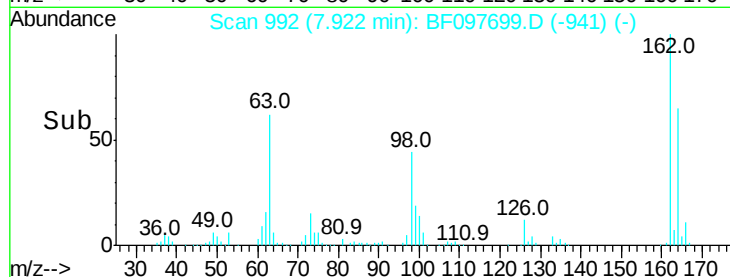
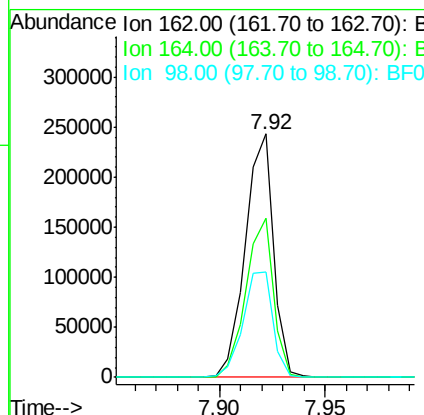
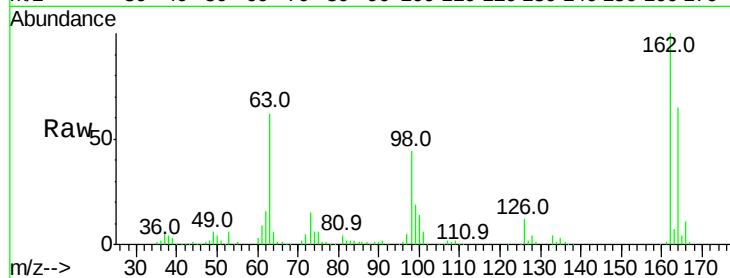
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	162	Resp:	224867
Ion Ratio	Lower	Upper	
162	100		
164	65.4	44.6	84.6
98	43.5	14.8	54.8

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#30

1,2,4-Trichlorobenzene

Concen: 28.614 ng

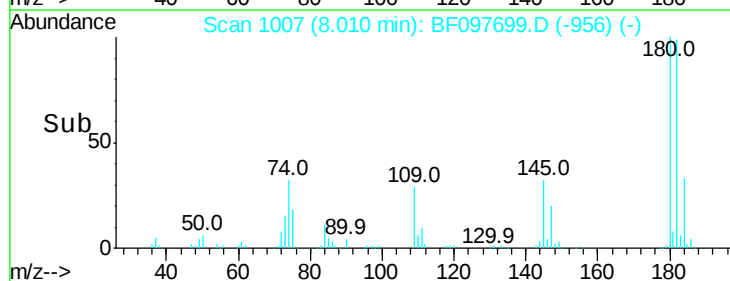
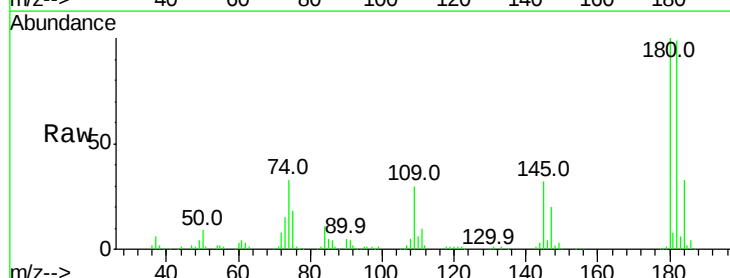
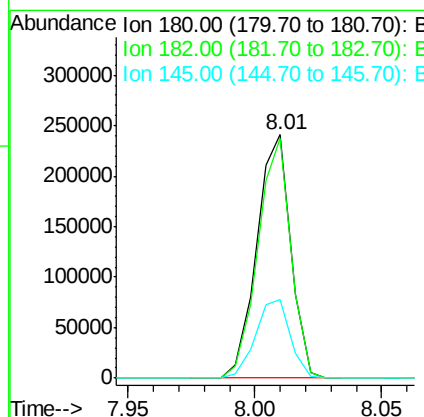
RT: 8.01 min Scan# 1007

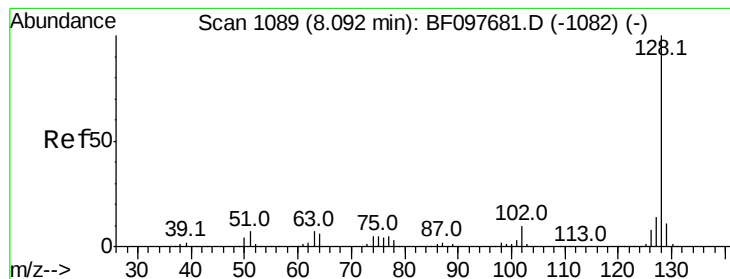
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	180	Resp:	223527
Ion Ratio	Lower	Upper	
180	100		
182	98.5	75.8	113.6
145	32.4	25.3	37.9





#31

Naphthalene

Concen: 29.566 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

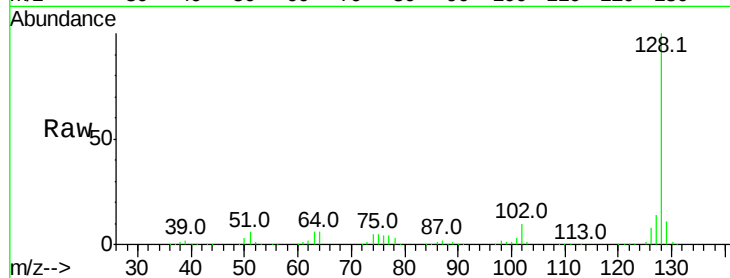
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

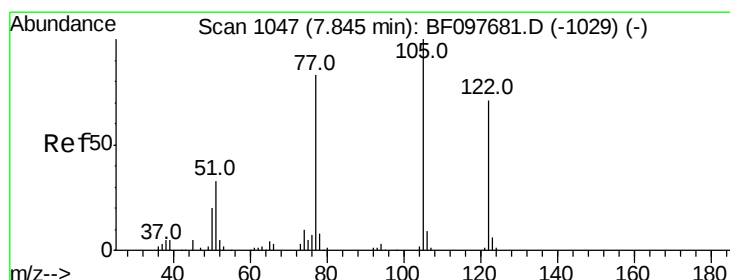
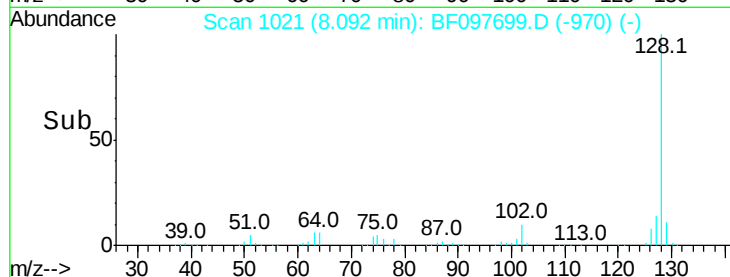
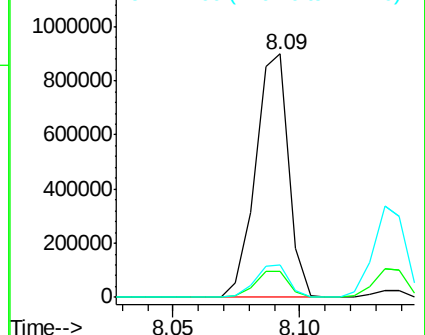
Tot Ion:	128	Resp:	816248
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	13.5	10.8	16.2

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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: 27.003 ng

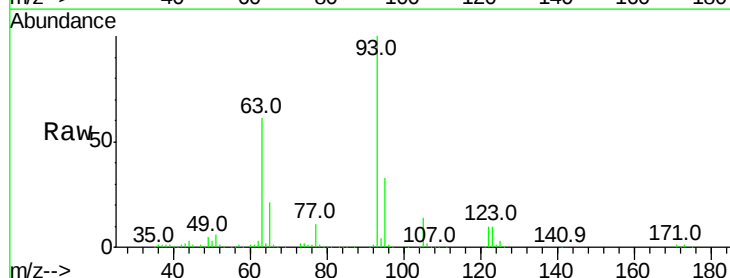
RT: 7.82 min Scan# 975

Delta R.T. -0.02 min

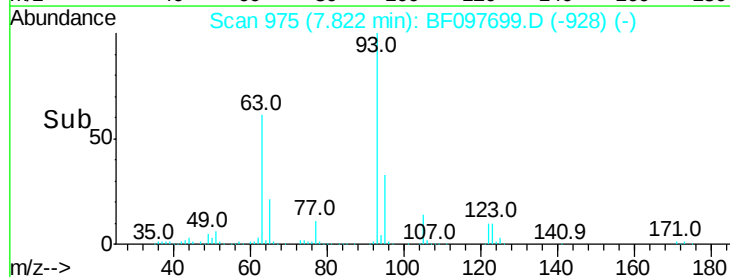
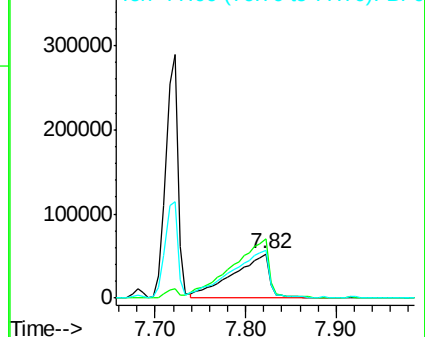
Lab File: BF097699.D

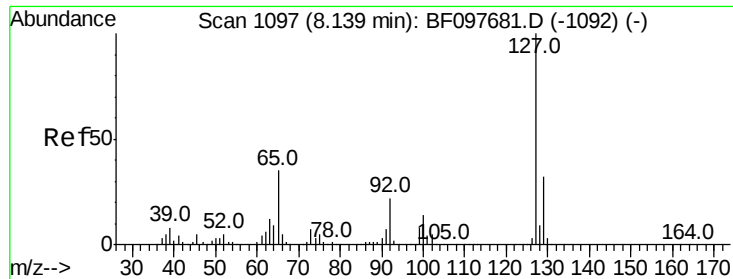
Acq: 15 Aug 2017 19:03

Tgt Ion:	122	Resp:	147022
Ion Ratio	Lower	Upper	
122	100		
105	134.9	103.3	143.3
77	108.4	73.7	113.7



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





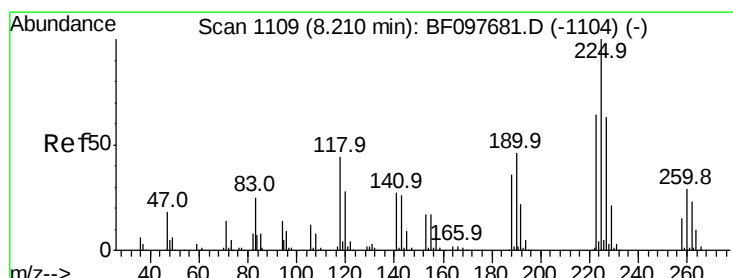
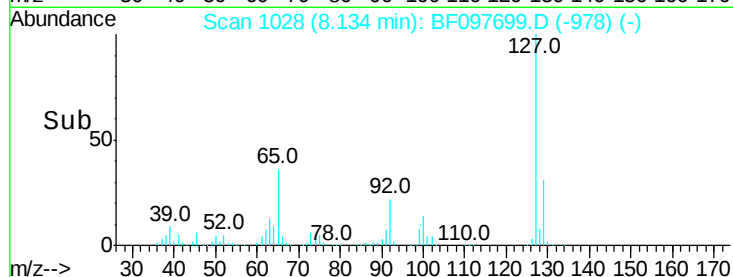
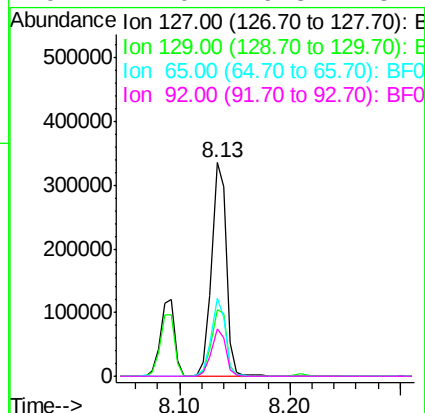
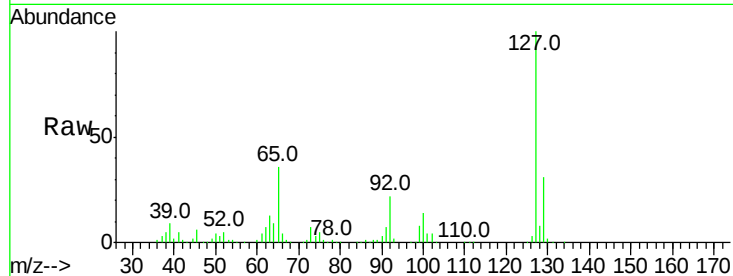
#33
4-Chloroaniline
Concen: 25.939 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.3	26.2	39.2	
65	36.3	27.8	41.8	
92	22.0	16.8	25.2	

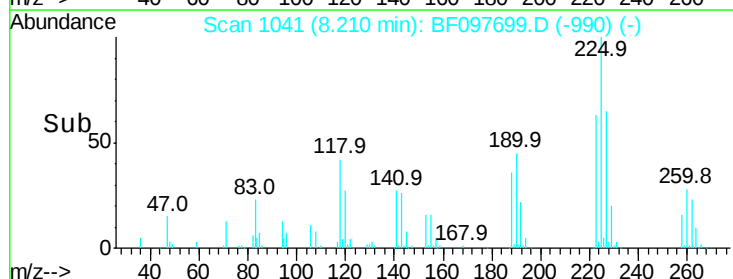
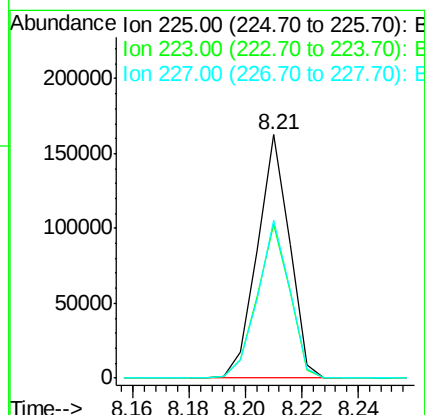
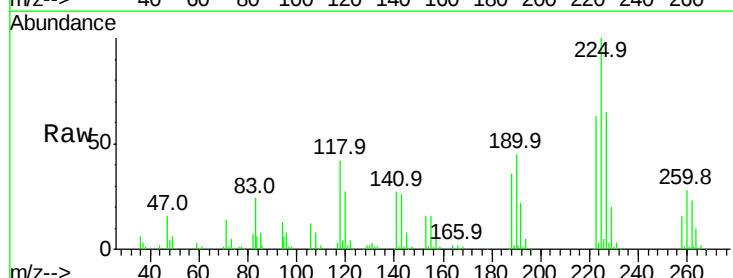
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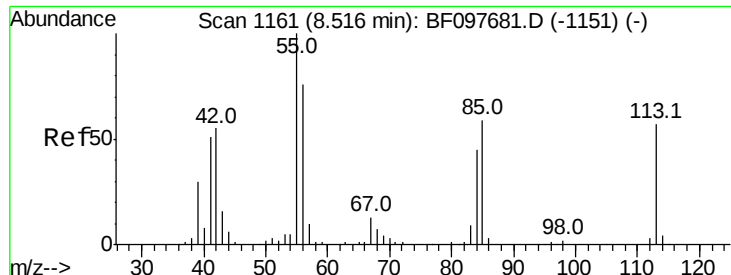
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#34
Hexachlorobutadiene
Concen: 28.209 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	48.8	73.2	
227	64.6	51.1	76.7	





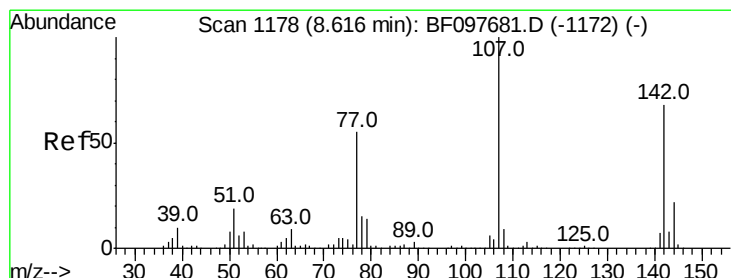
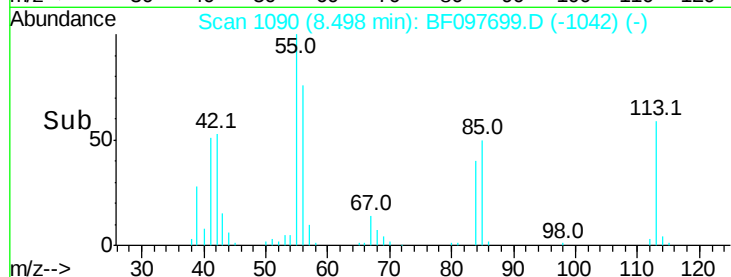
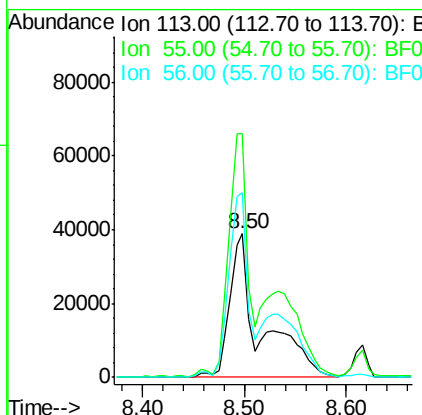
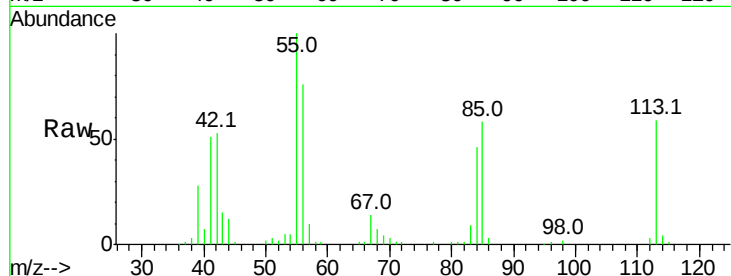
#35
 Caprolactam
 Concen: 34.208 ng/ml
 RT: 8.50 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	170.0	150.2	190.2
56	129.1	107.8	147.8

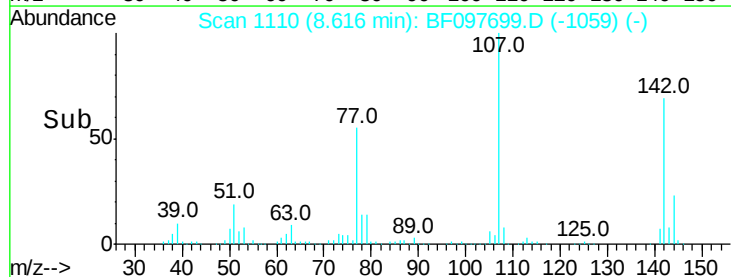
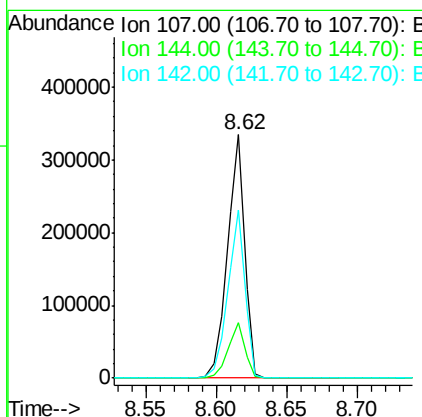
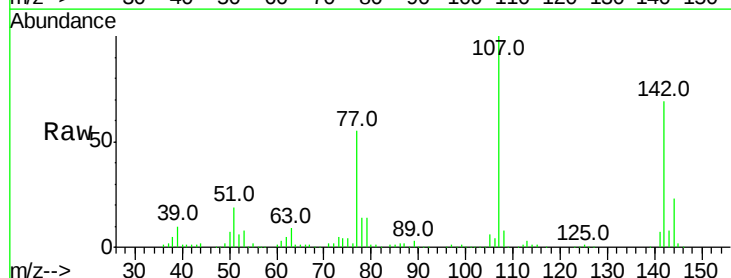
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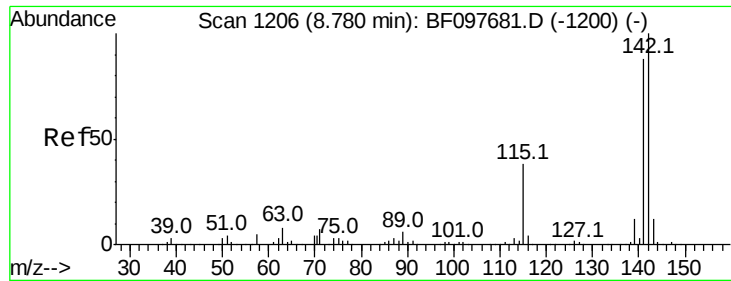
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#36
 4-Chloro-3-methylphenol
 Concen: 31.366 ng/ml
 RT: 8.62 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	24.2	36.4#
142	68.9	73.4	110.0#





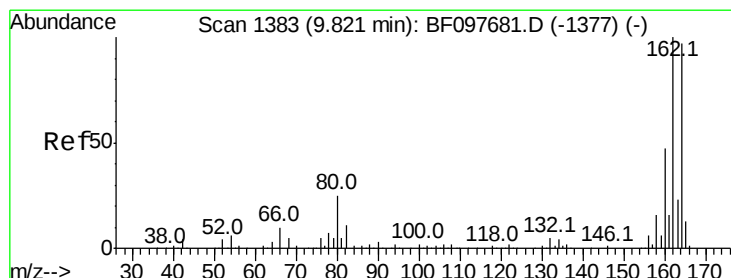
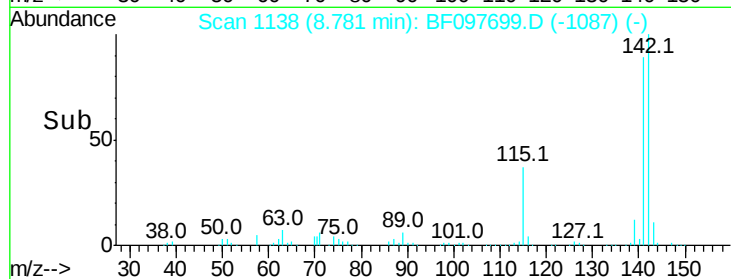
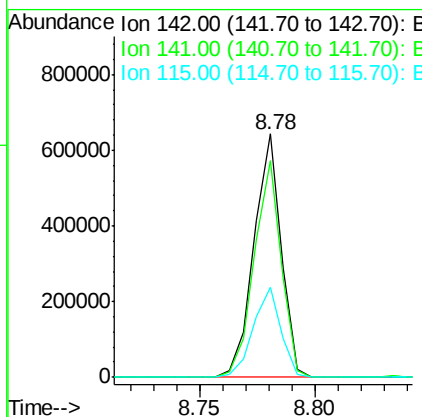
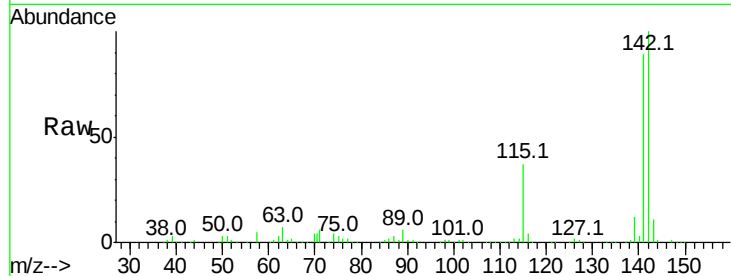
#37
2-Methylnaphthalene
Concen: 31.378 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9
115	37.1	27.1	40.7

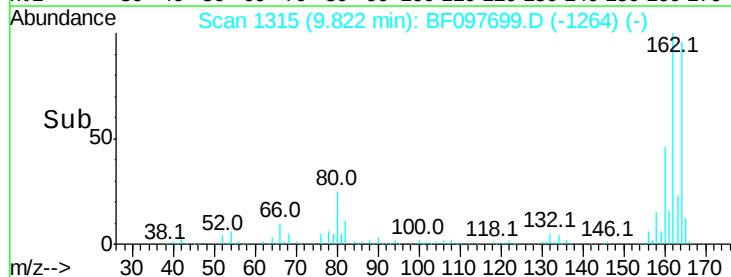
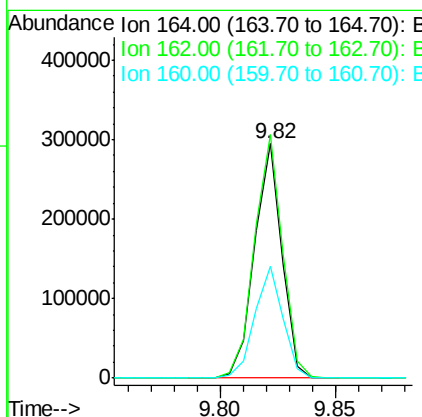
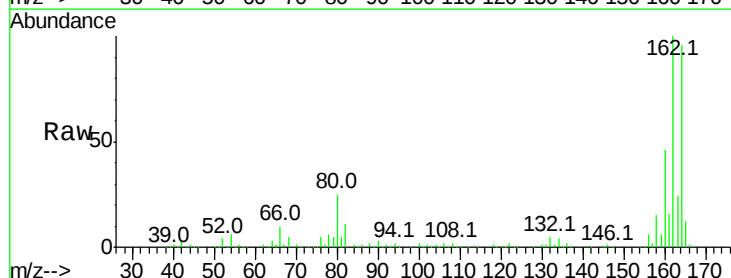
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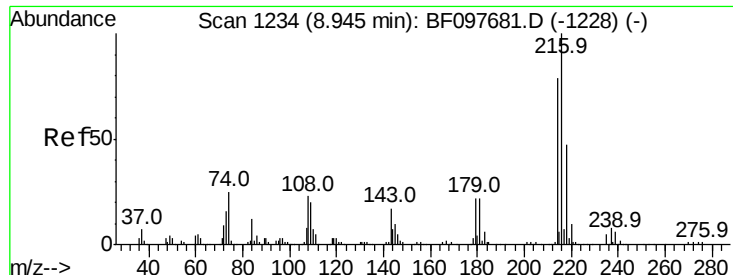
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	47.6	36.2	54.2





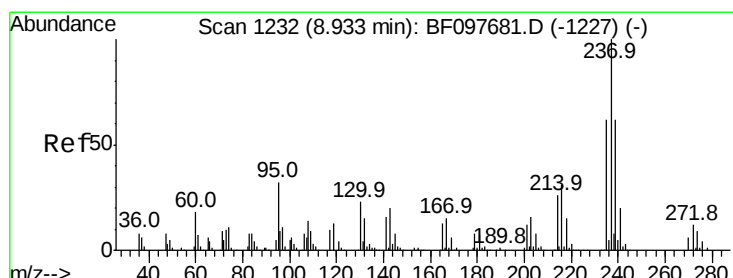
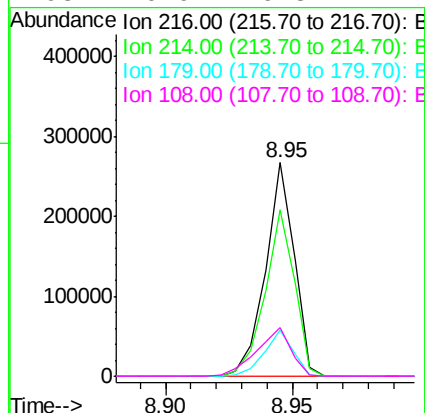
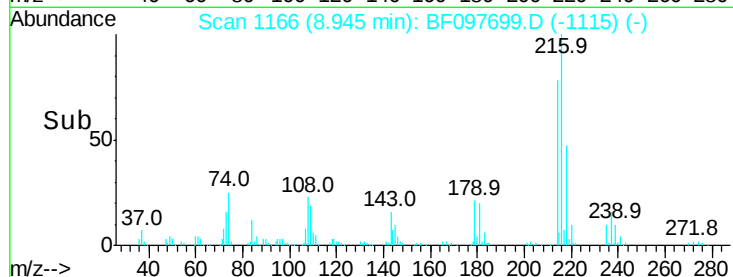
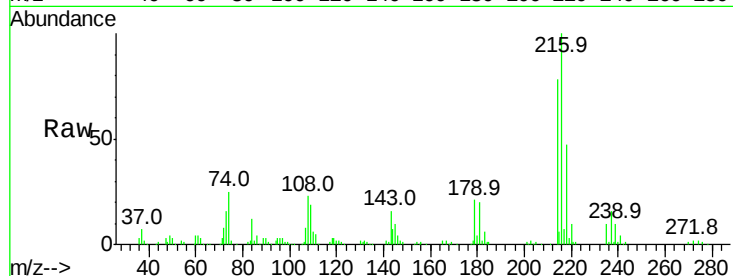
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 28.446 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.2	63.4	95.2
179	21.5	17.9	26.9
108	26.9	16.5	24.7#

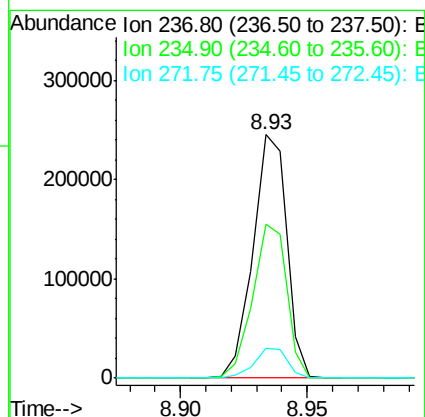
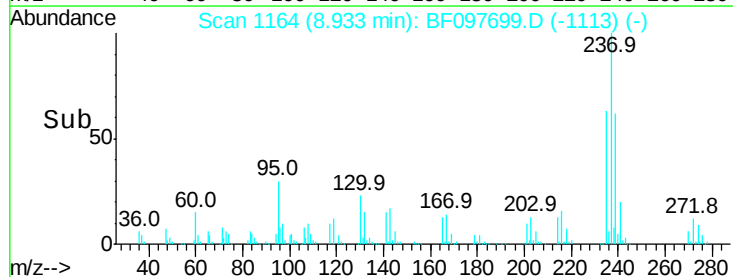
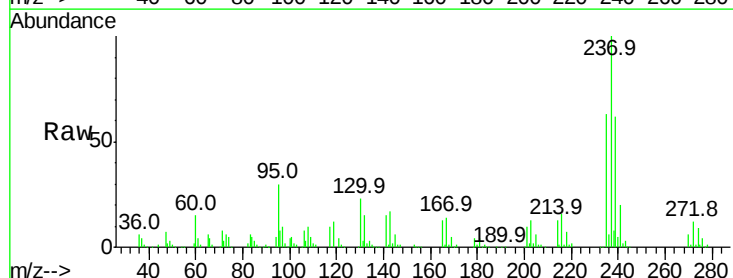
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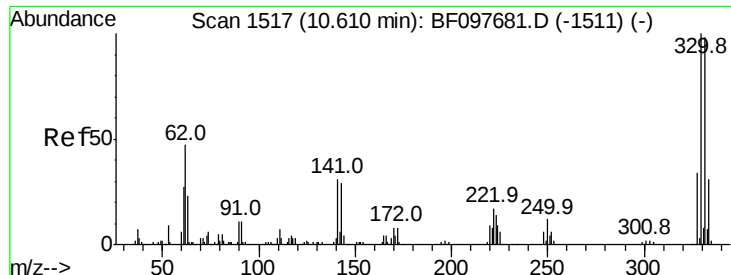
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#40
 Hexachlorocyclopentadiene
 Concen: 63.669 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	63.0	42.6	82.6
272	12.1	0.0	31.9





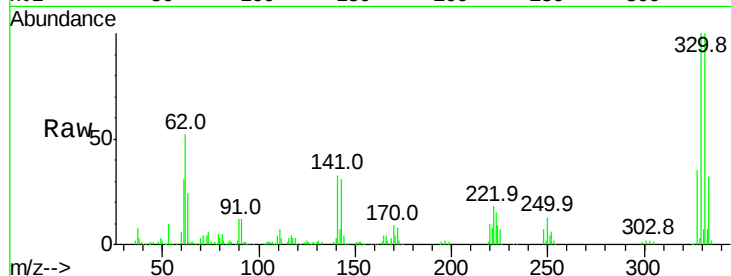
#41
 2,4,6-Tribromophenol
 Concen: 102.849 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

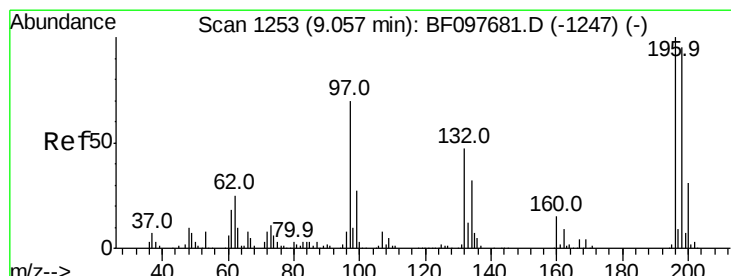
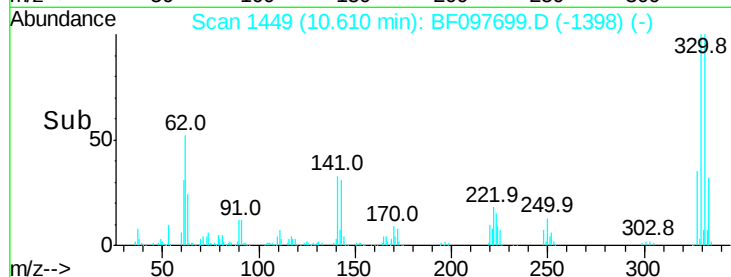
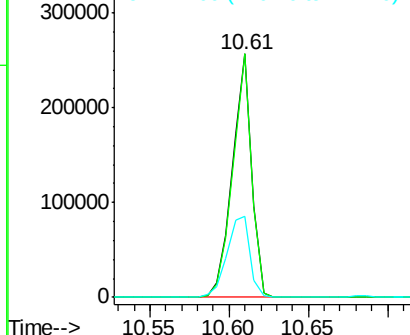
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	76.6	115.0	
141	39.1	31.4	47.2	

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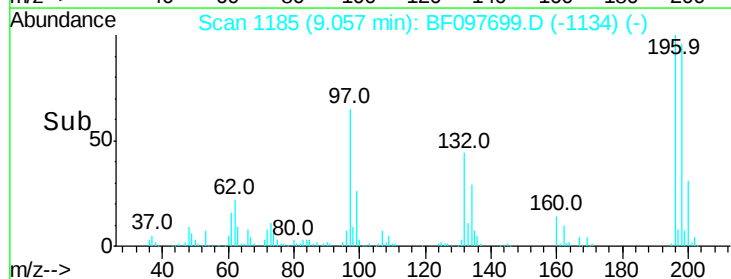
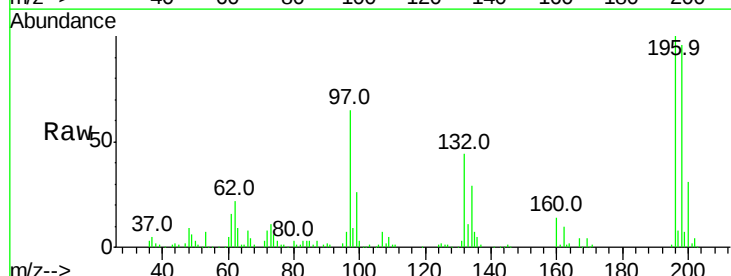
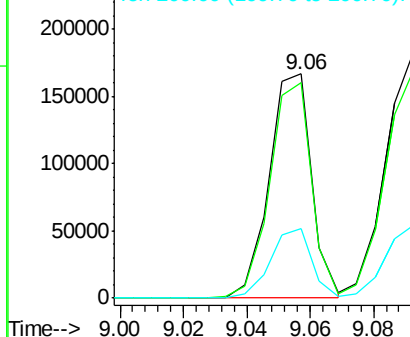
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 30.943 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.2	74.2	111.4	
200	31.0	24.0	36.0	

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





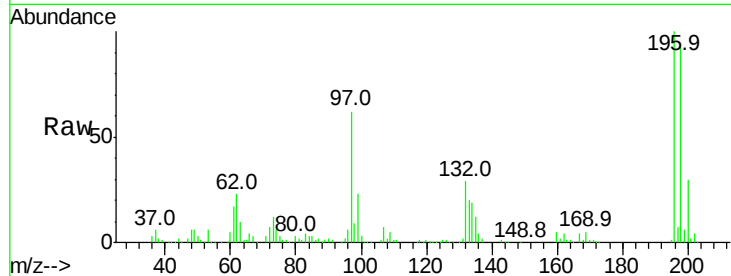
#43
 2,4,5-Trichlorophenol
 Concen: 33.210 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	196	Resp	165529
Ion Ratio	Lower	Upper	
196	100		
198	92.9	75.7	113.5
97	62.5	47.7	71.5
132	29.2	28.0	42.0

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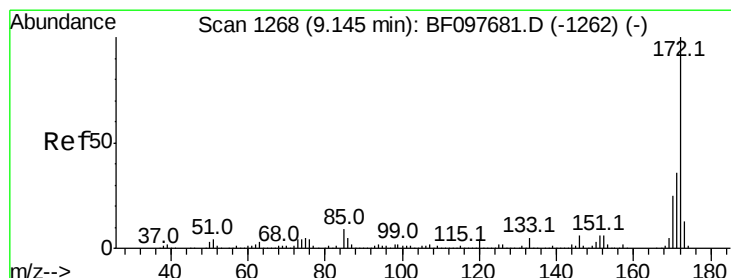
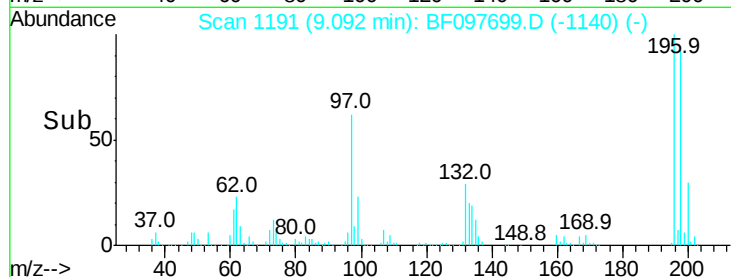
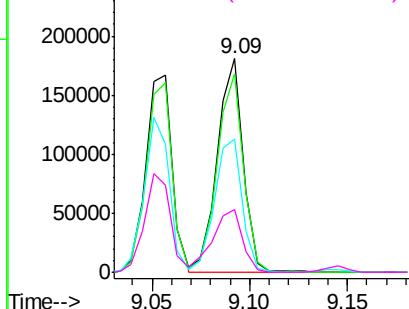
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 57.204 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

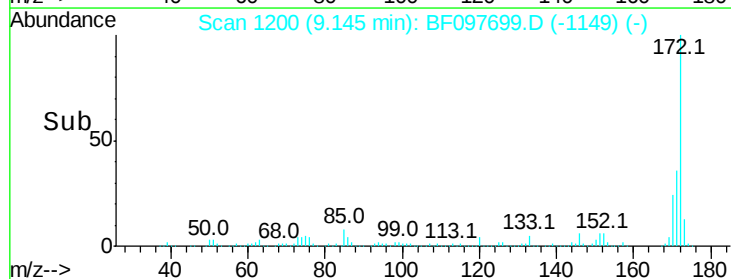
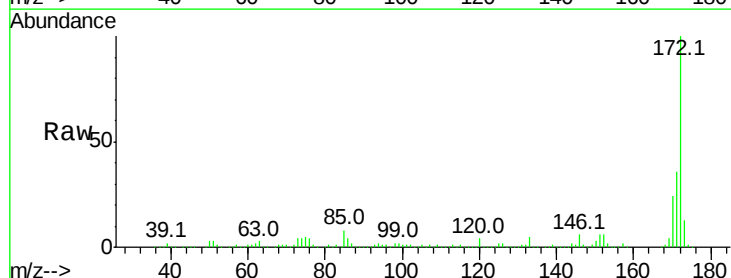
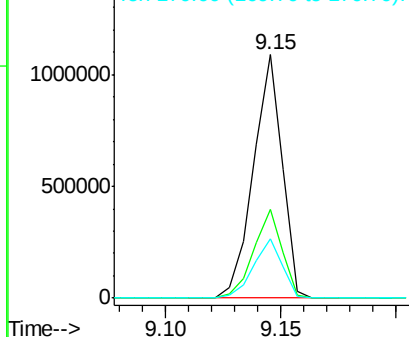
Tgt Ion	172	Resp	949402
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.6	44.4
170	24.5	19.8	29.8

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 28.584 ng

RT: 9.25 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

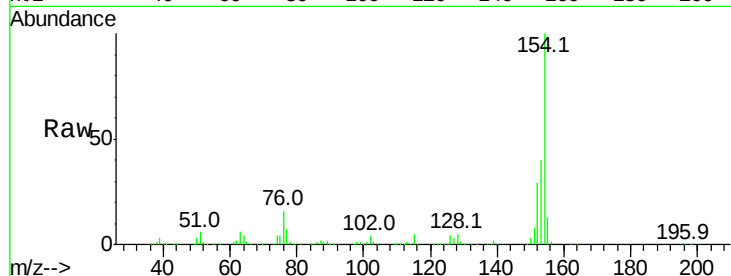
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

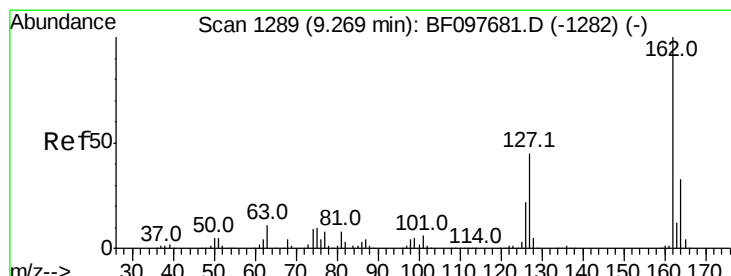
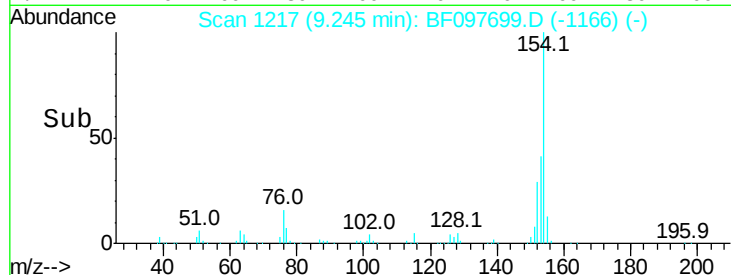
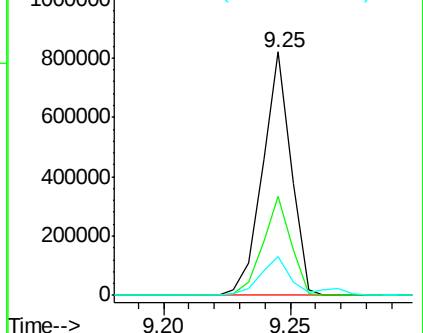
Tot Ion:	154	Resp:	635600
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.2	61.2
76	15.8	0.0	29.9

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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: 28.368 ng

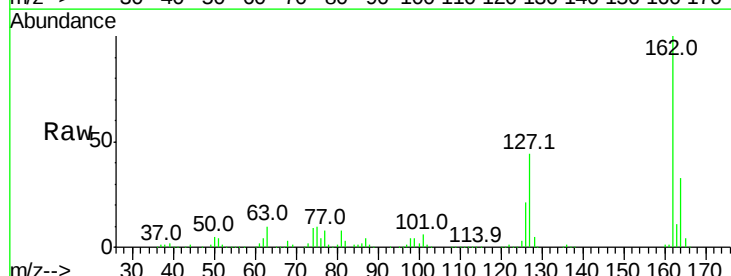
RT: 9.27 min Scan# 1221

Delta R.T. 0.00 min

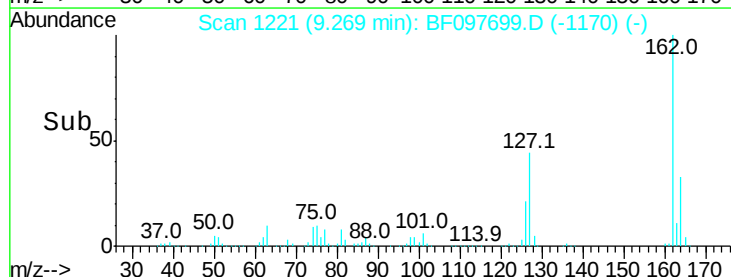
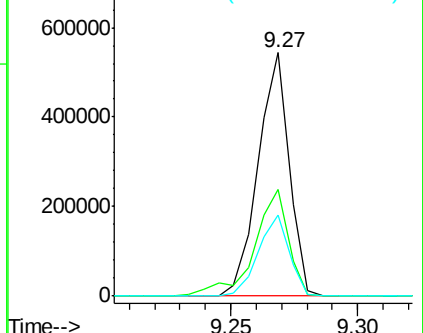
Lab File: BF097699.D

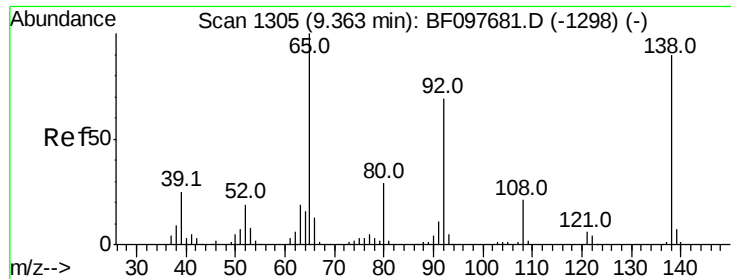
Acq: 15 Aug 2017 19:03

Tgt Ion:	162	Resp:	466070
Ion Ratio	Lower	Upper	
162	100		
127	43.8	28.3	42.5#
164	33.2	27.0	40.4



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





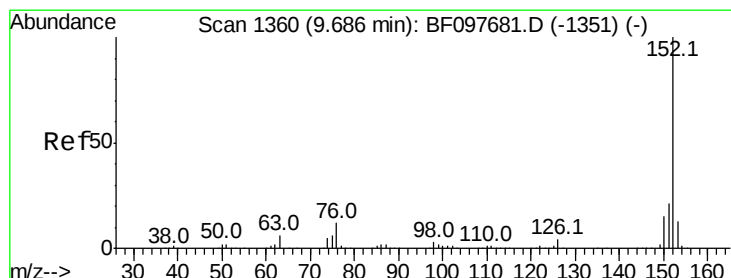
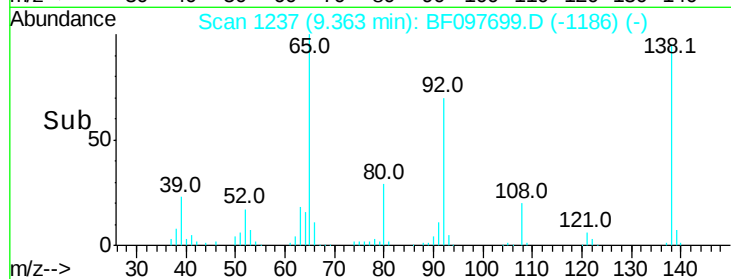
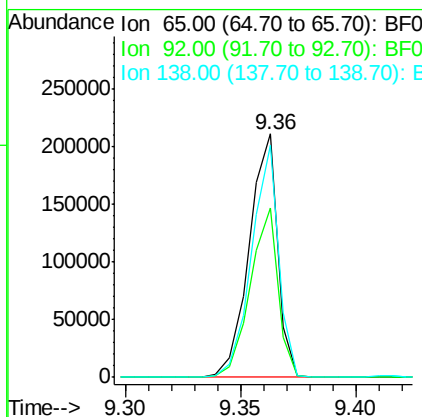
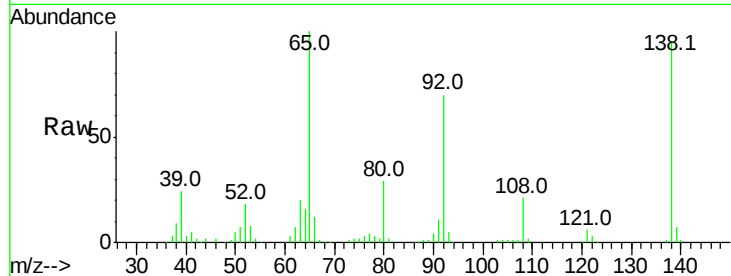
#47
2-Nitroaniline
Concen: 33.014 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.6	53.9	80.9
138	95.2	78.8	118.2

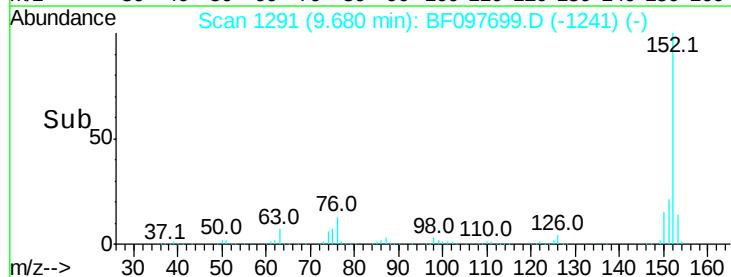
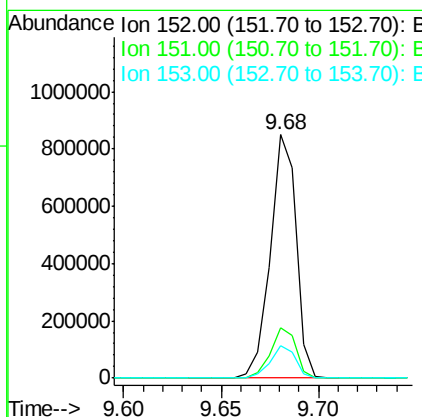
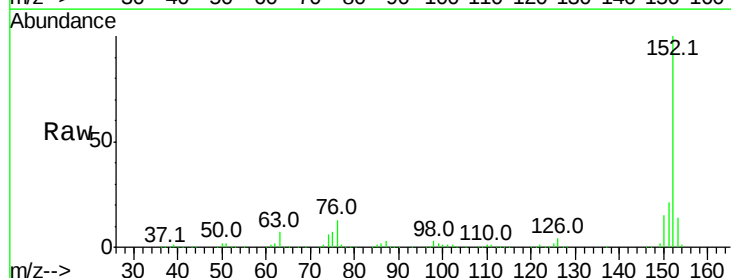
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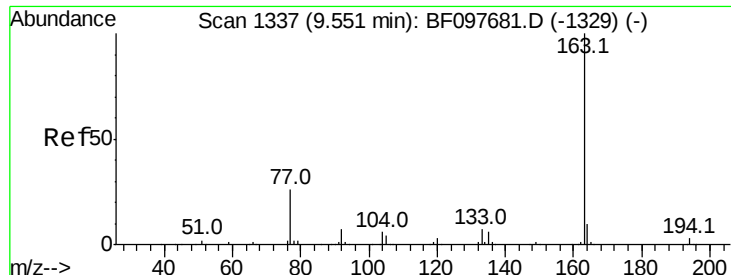
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#48
Acenaphthylene
Concen: 30.112 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.5	10.8	16.2





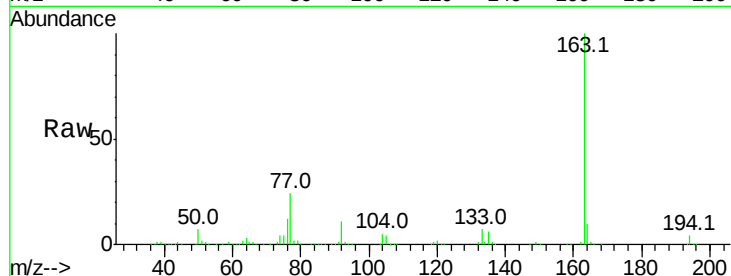
#49
Dimethylphthalate
Concen: 37.774 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

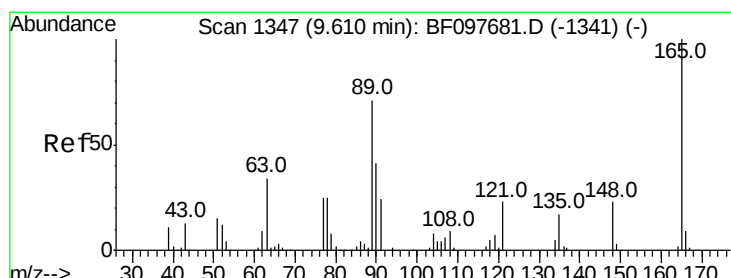
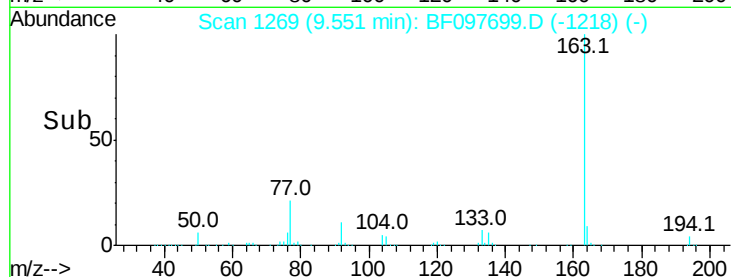
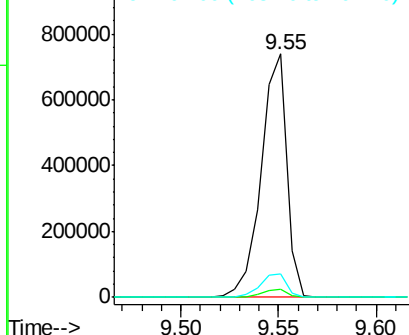
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.9	8.4	12.6	

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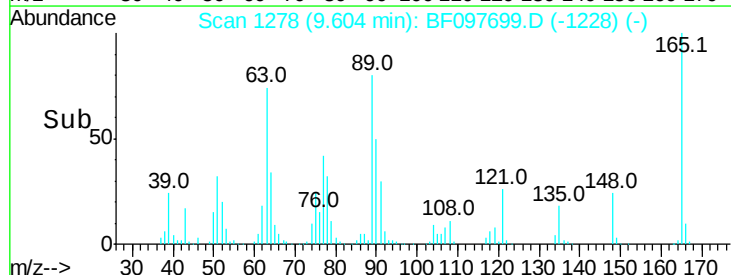
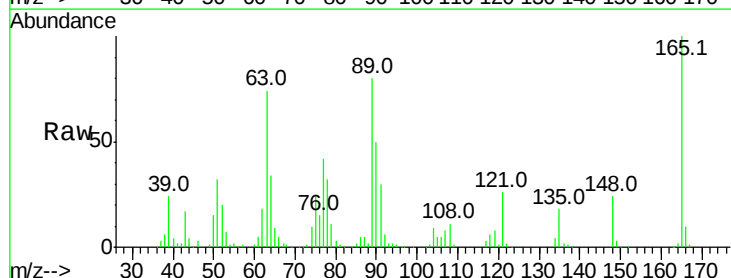
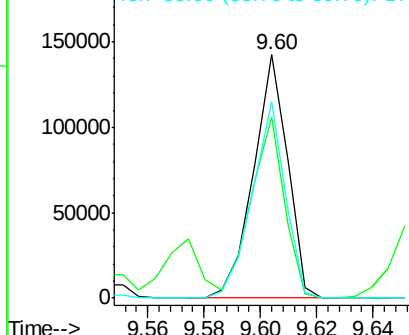
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

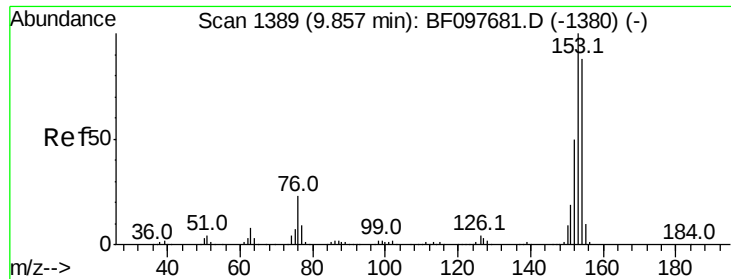


#50
2,6-Dinitrotoluene
Concen: 33.433 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	74.2	34.3	51.5#	
89	80.4	37.1	55.7#	

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: 31.471 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

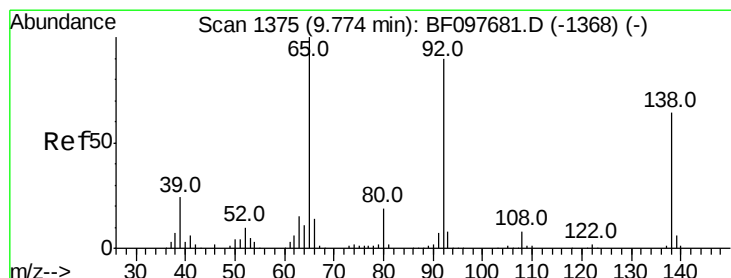
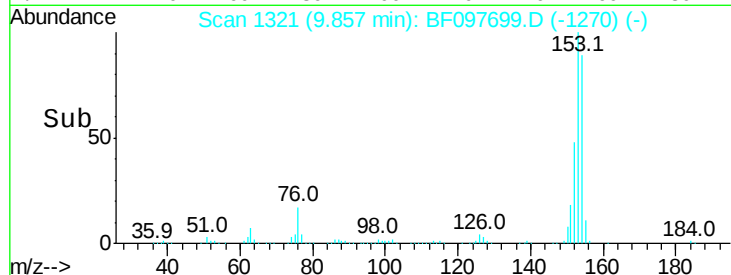
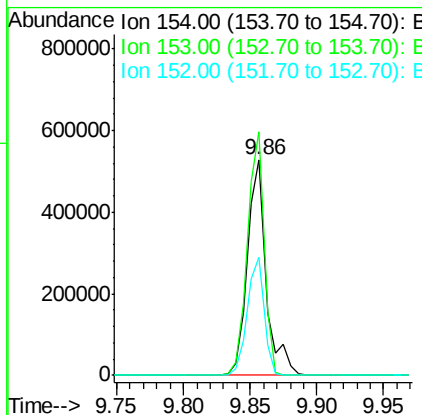
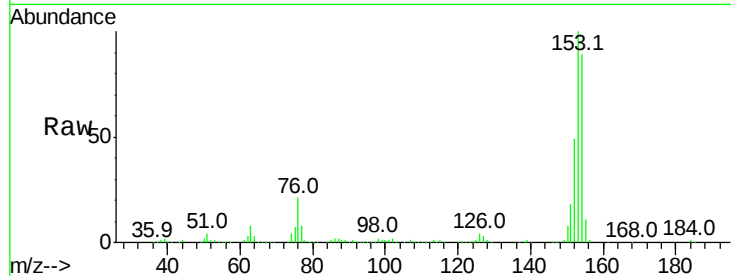
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	154	Resp:	512098
Ion Ratio	Lower	Upper	
154	100		
153	112.9	90.5	135.7
152	54.8	43.6	65.4

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#52

3-Nitroaniline

Concen: 27.351 ng

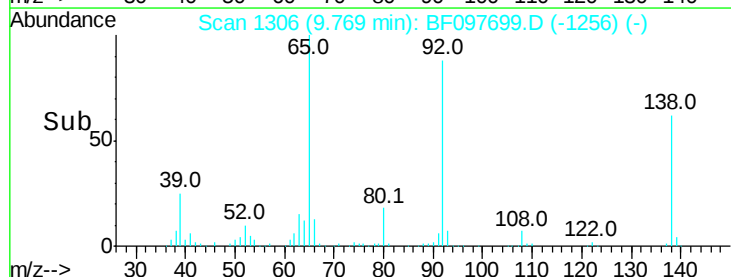
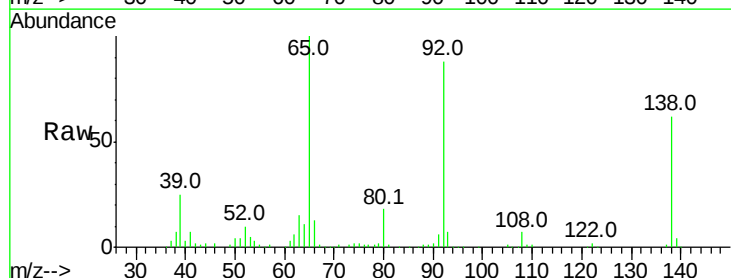
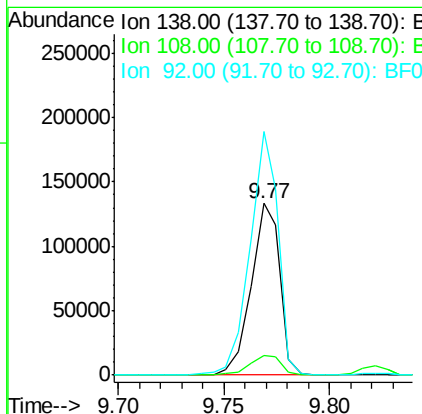
RT: 9.77 min Scan# 1306

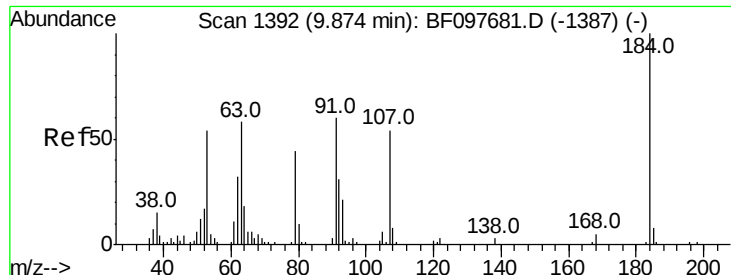
Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	138	Resp:	125549
Ion Ratio	Lower	Upper	
138	100		
108	11.7	9.1	13.7
92	141.8	93.8	140.6#





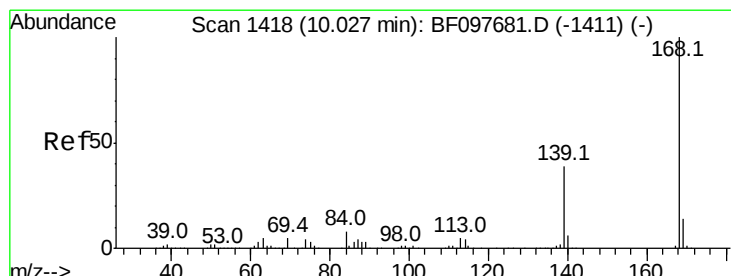
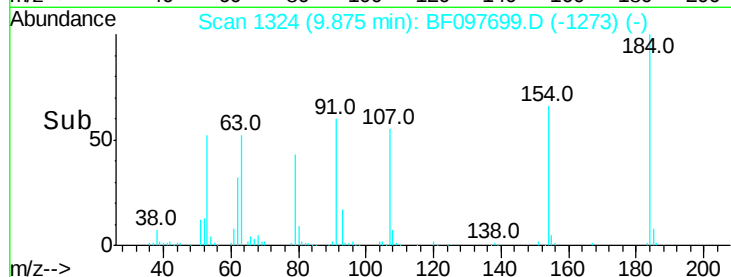
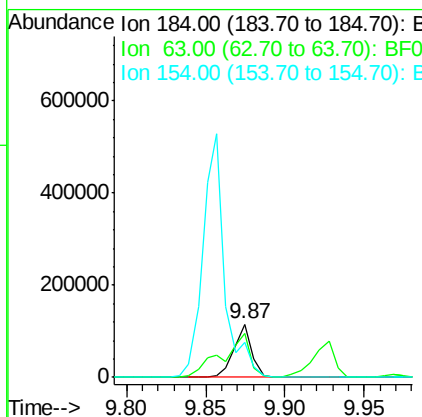
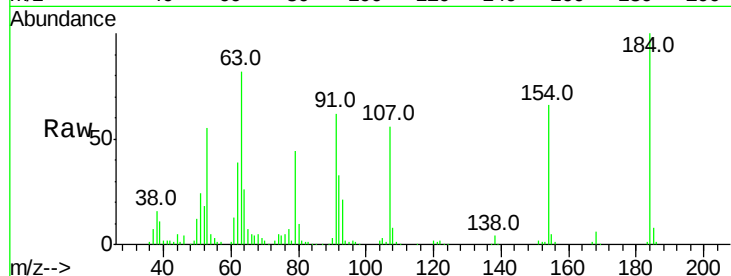
#53
 2,4-Dinitrophenol
 Concen: 57.023 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	82.4	62.7	94.1
154	66.3	81.1	121.7#

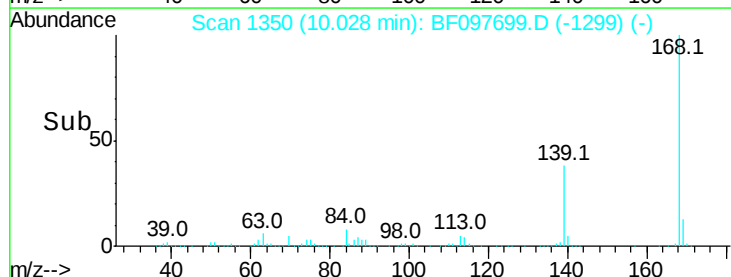
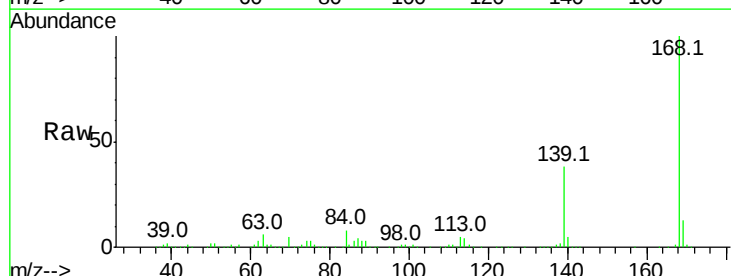
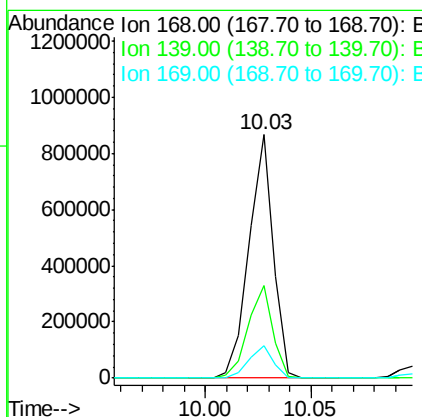
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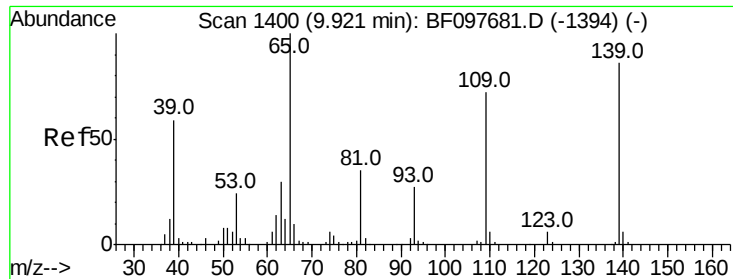
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#54
 Dibenzofuran
 Concen: 31.905 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.6	45.8
169	13.4	10.8	16.2





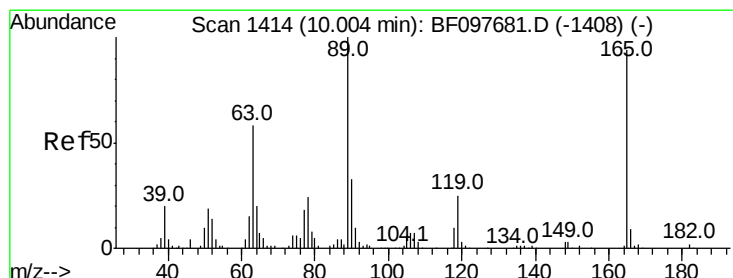
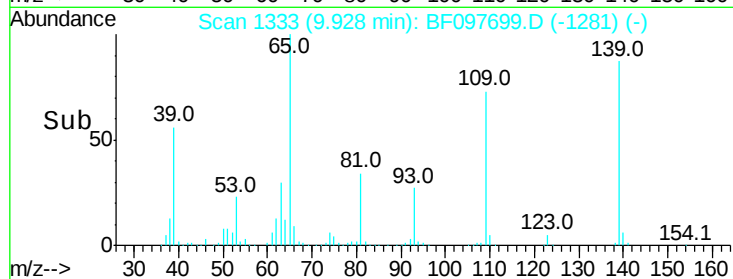
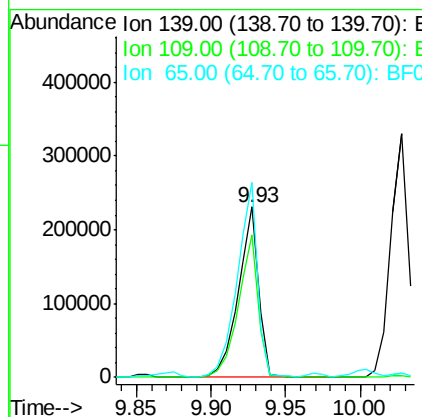
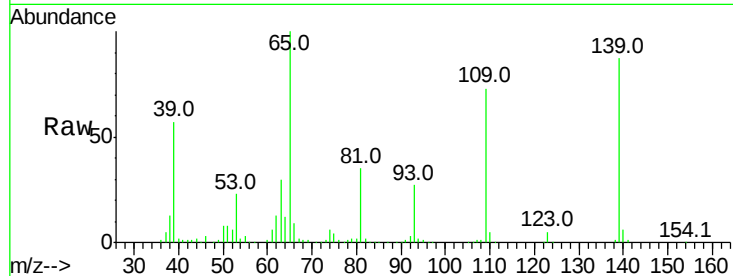
#55
4-Nitrophenol
Concen: 59.644 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	83.8	34.1	74.1#	
65	114.8	31.4	71.4#	

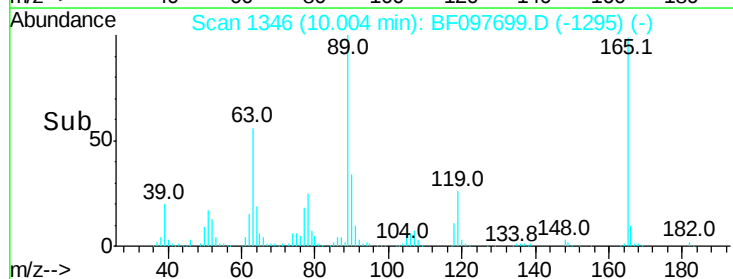
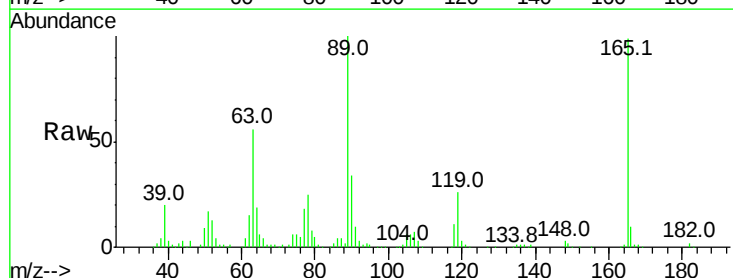
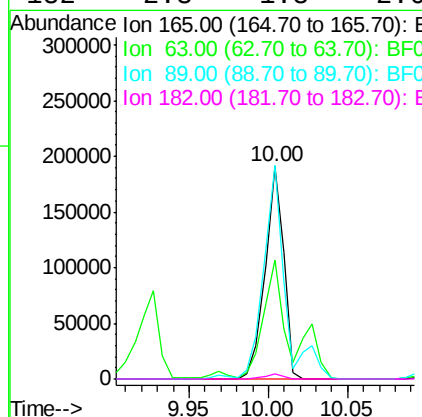
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#56
2,4-Dinitrotoluene
Concen: 35.682 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	56.1	25.4	38.0#	
89	100.5	46.4	69.6#	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 29.922 ng

RT: 10.37 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:166 Resp: 504510

Ion Ratio Lower Upper

166 100

165 95.4 78.8 118.2

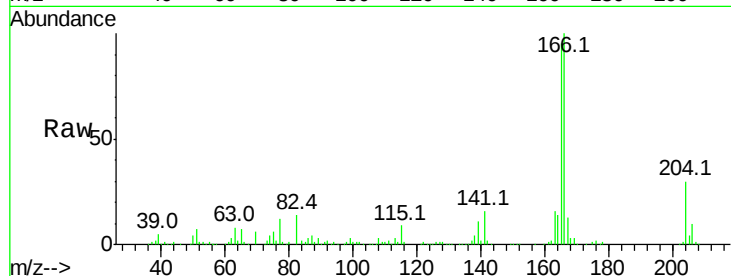
167 13.3 10.6 16.0

Manual Integrations

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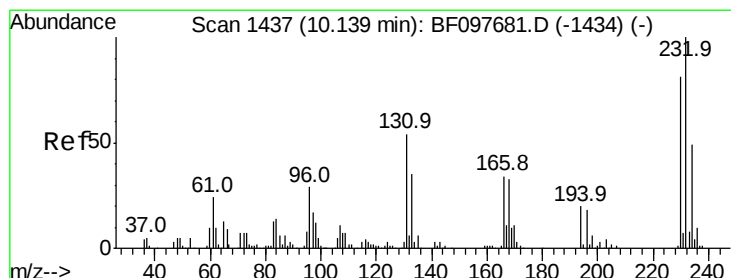
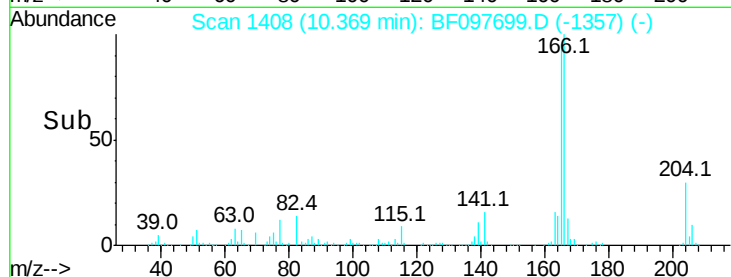
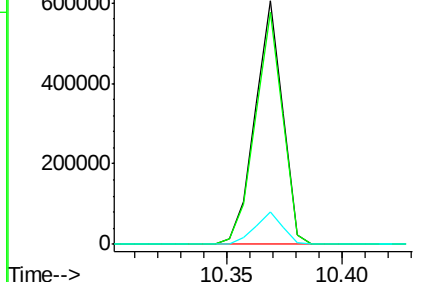
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.848 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:232 Resp: 138338

Ion Ratio Lower Upper

232 100

131 52.1 44.8 67.2

130 2.8 2.3 3.5

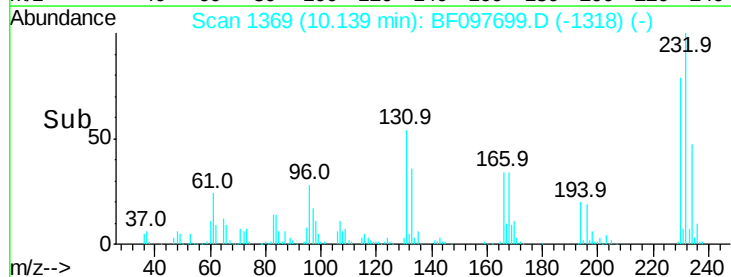
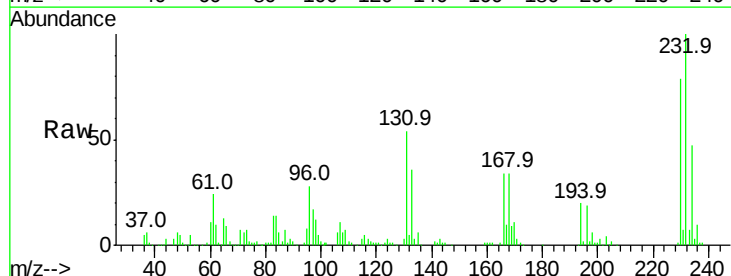
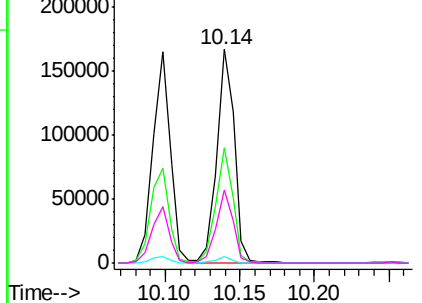
166 32.3 29.0 43.4

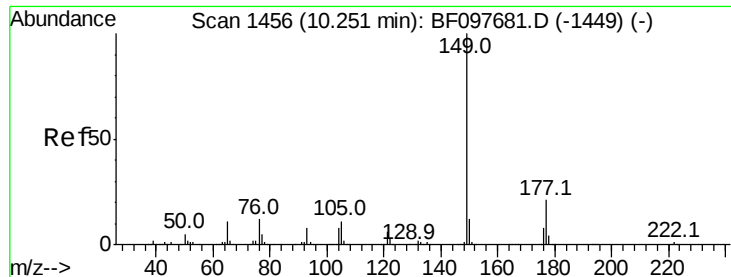
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





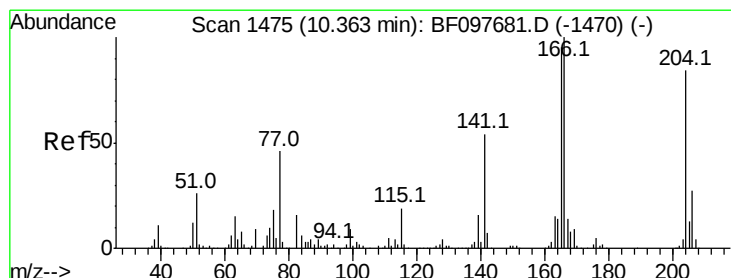
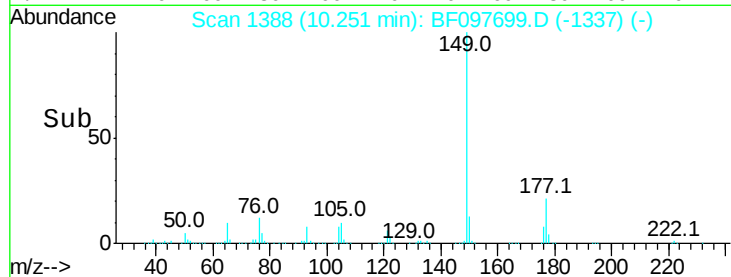
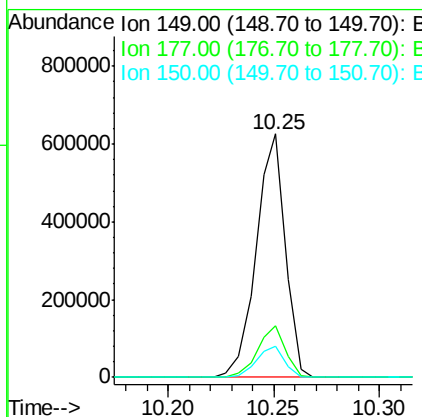
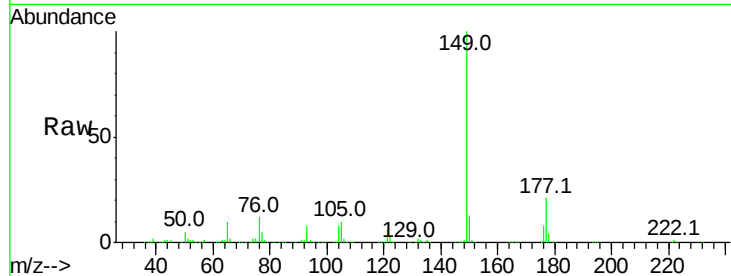
#59
Diethylphthalate
Concen: 31.983 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	596148		
177	21.1	16.7	25.1	
150	12.5	10.2	15.2	

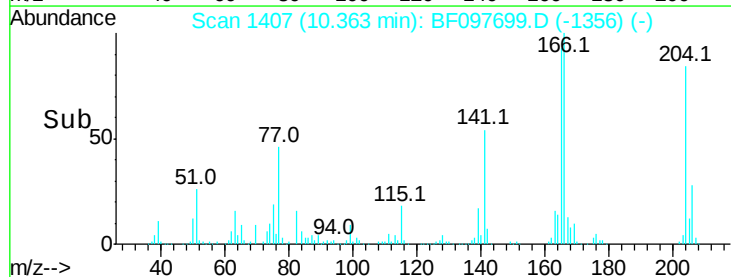
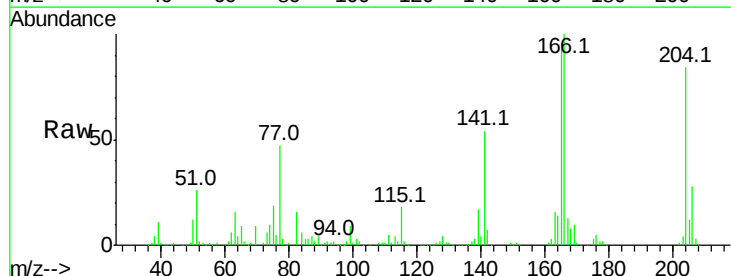
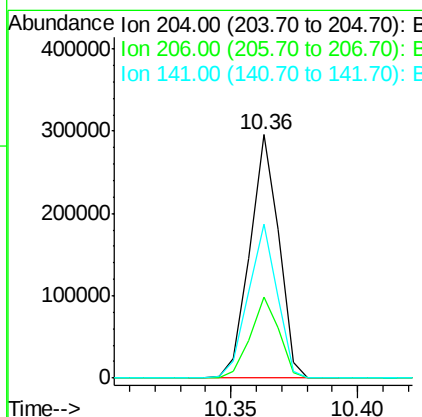
Manual Integrations
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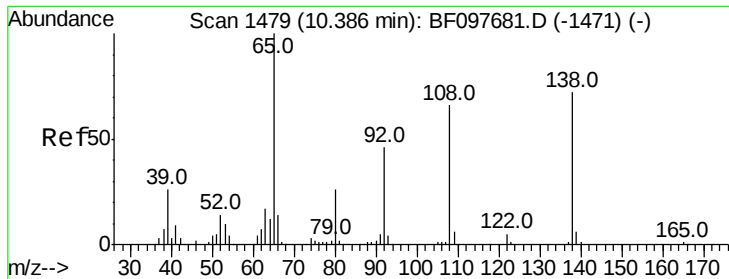
Sohil
8/16/2017 6:49:10 PM



#60
4-Chlorophenyl-phenylether
Concen: 30.087 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	235671		
206	33.3	26.2	39.2	
141	63.5	60.8	91.2	





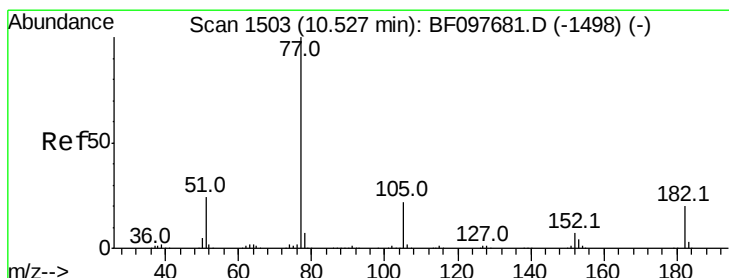
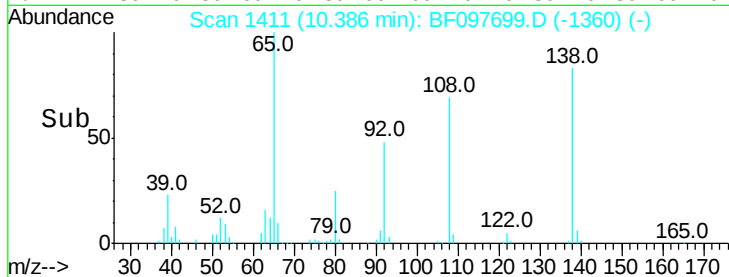
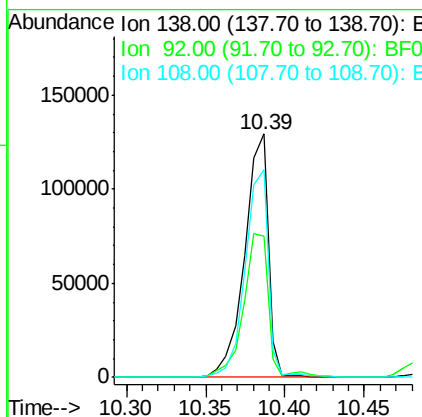
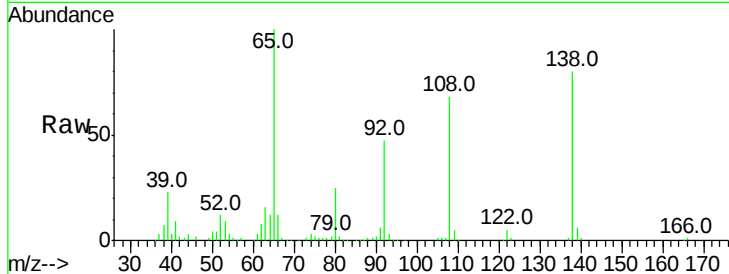
#61
4-Nitroaniline
Concen: 30.510 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	133108		
92	57.9	21.8	61.8	
108	85.2	42.3	82.3	

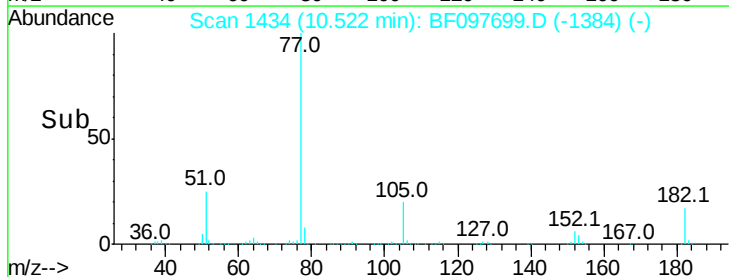
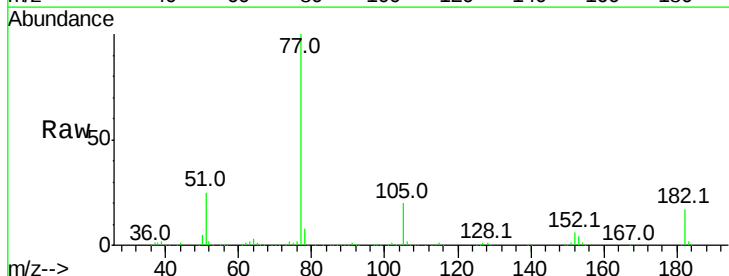
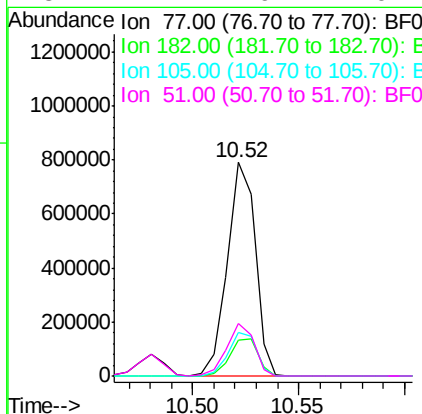
Manual Integrations
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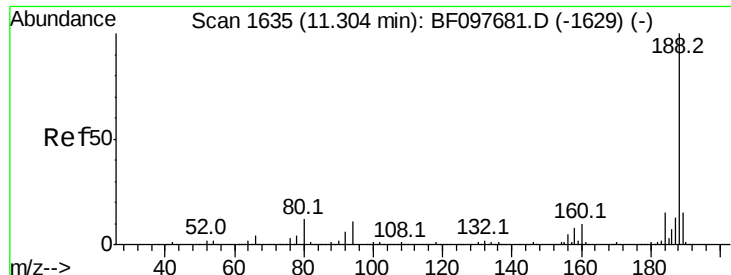
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#62
Azobenzene
Concen: 32.629 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	722422		
182	16.6	0.1	40.1	
105	20.4	3.6	43.6	
51	24.7	9.4	49.4	





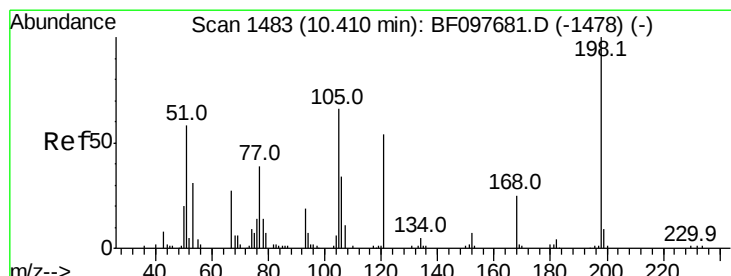
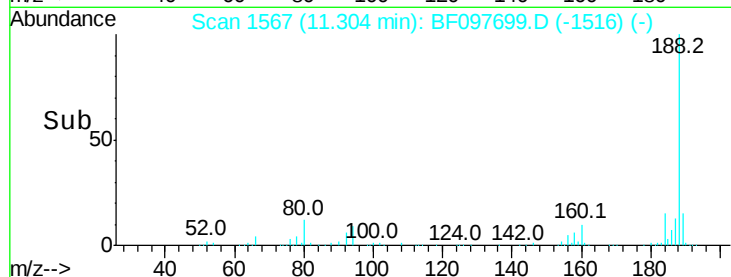
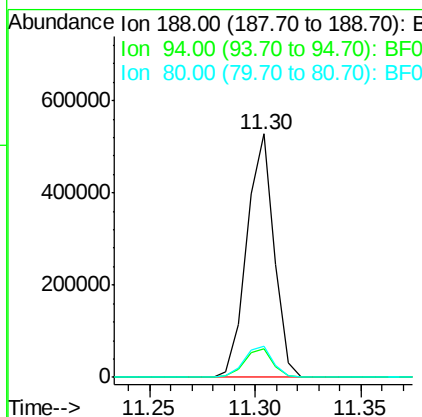
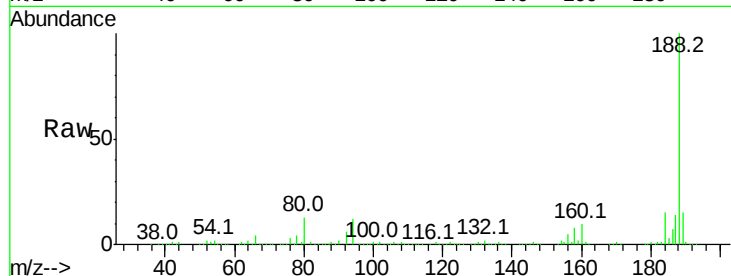
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	12.5	10.2	15.2	

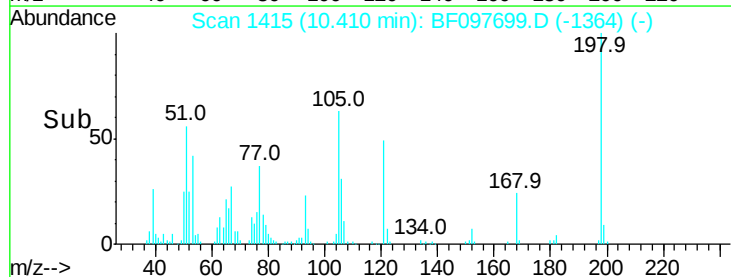
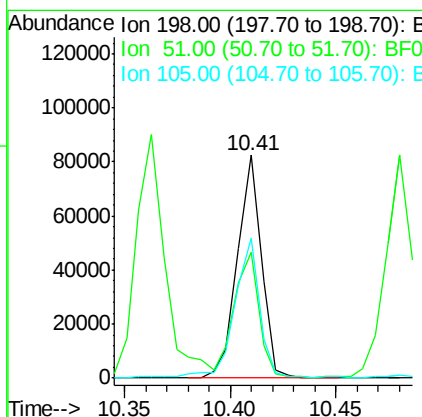
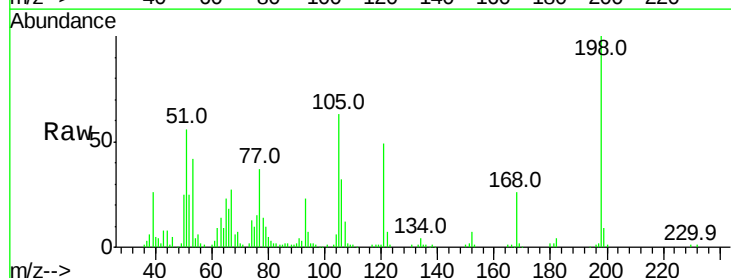
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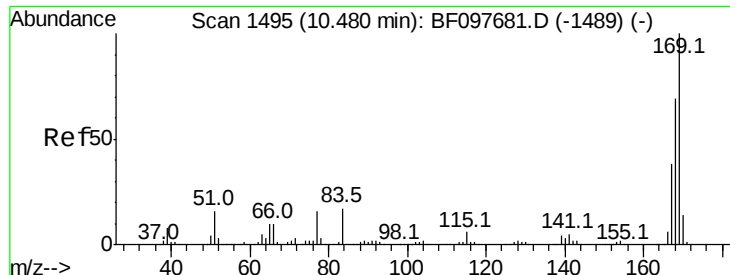
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 32.539 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	56.3	53.2	93.2	
105	62.7	45.8	85.8	





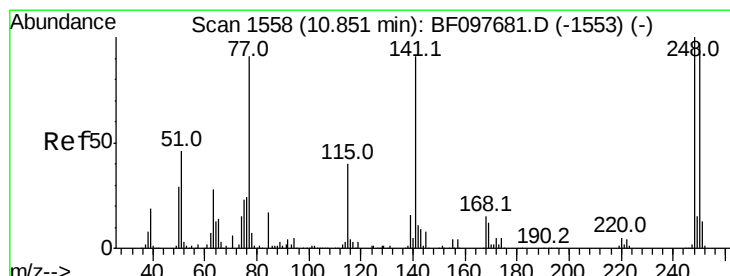
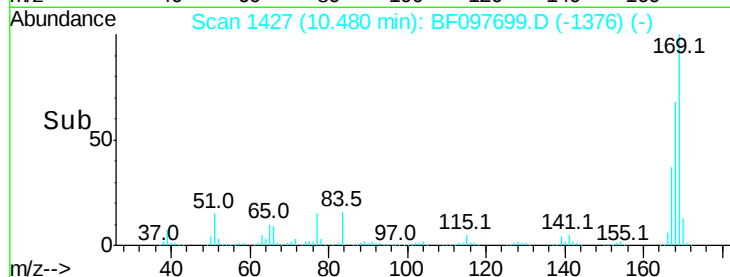
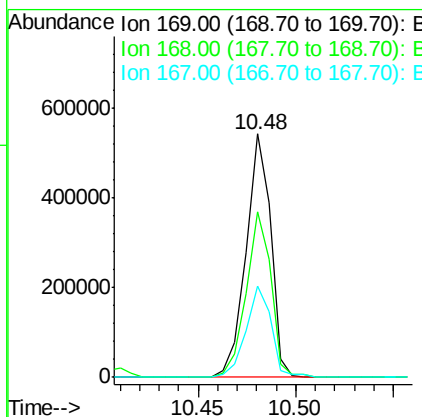
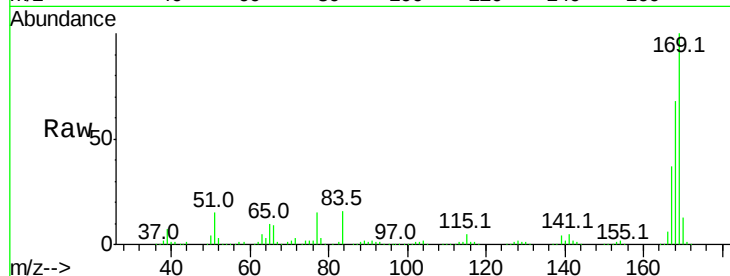
#65
n-Nitrosodiphenylamine
Concen: 29.716 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	475725		
168	67.8	53.2	79.8	
167	37.3	29.5	44.3	

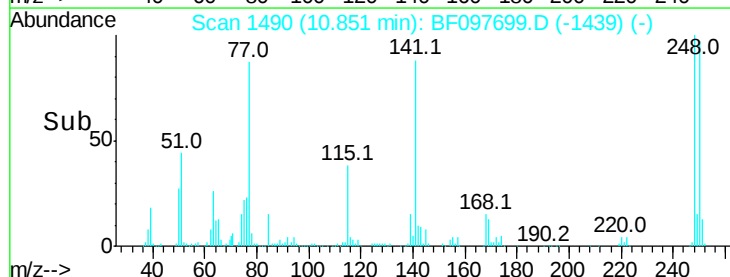
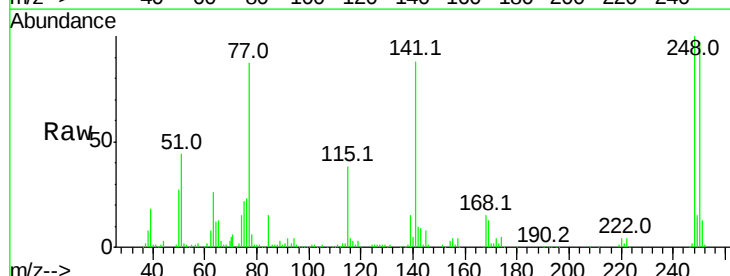
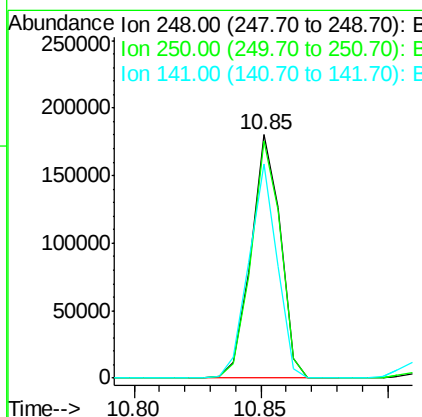
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#66
4-Bromophenyl-phenylether
Concen: 29.838 ng
RT: 10.85 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	145667		
250	97.5	76.8	115.2	
141	87.8	68.6	103.0	





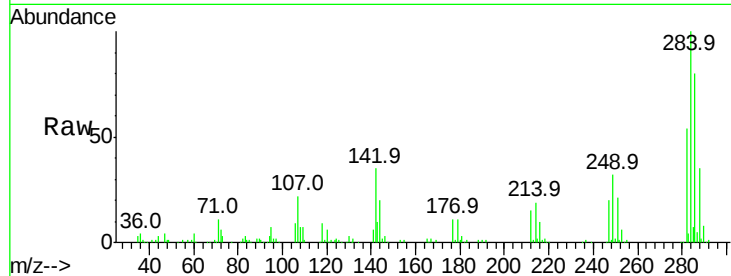
#67
Hexachlorobenzene
Concen: 28.292 ng
RT: 10.92 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

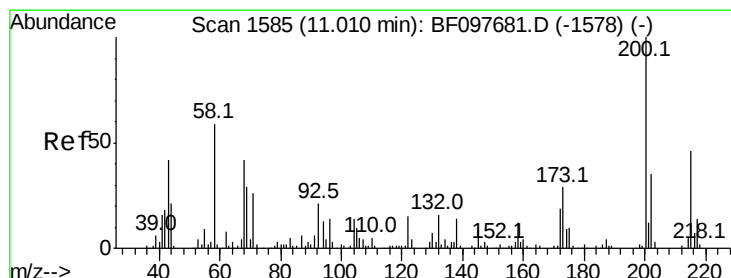
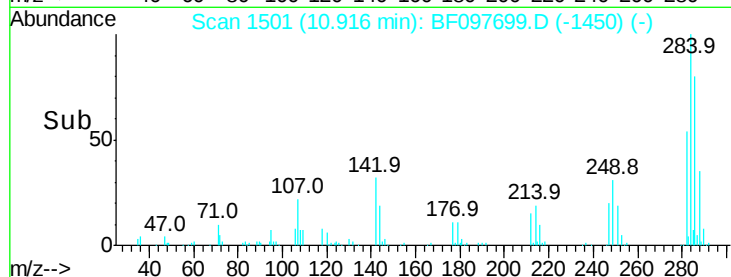
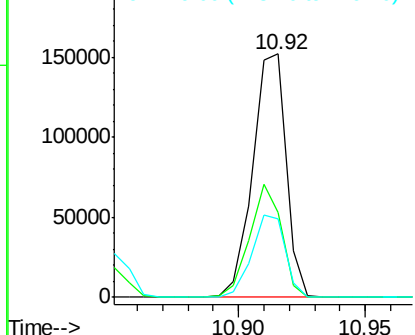
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	34.7	22.8	34.2#	
249	32.5	24.0	36.0	

Manual Integrations
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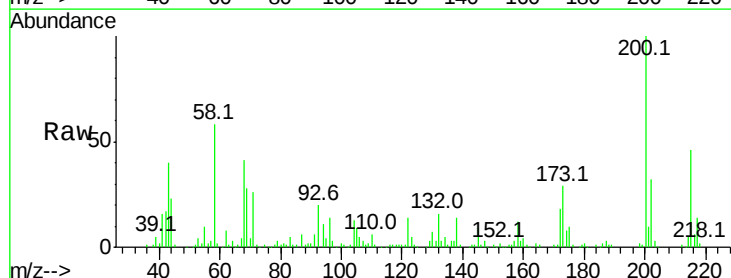


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

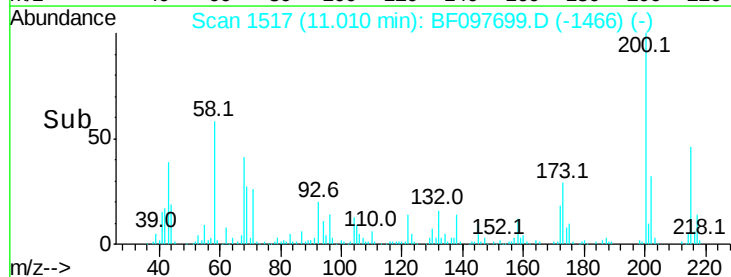
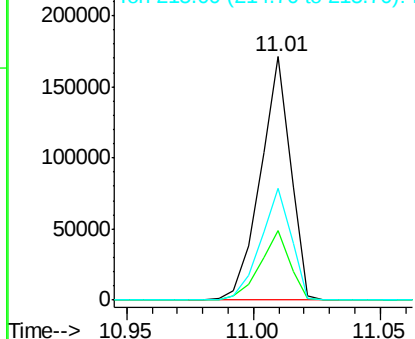


#68
Atrazine
Concen: 33.535 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.7	6.3	46.3	
215	45.9	27.2	67.2	



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





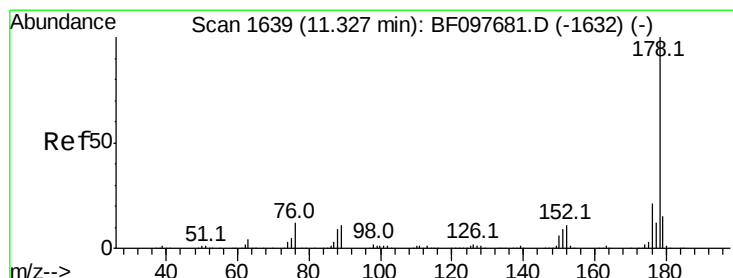
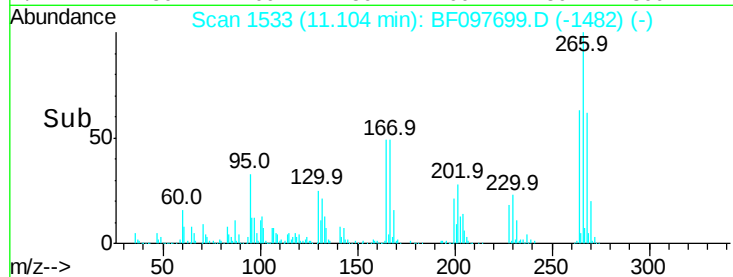
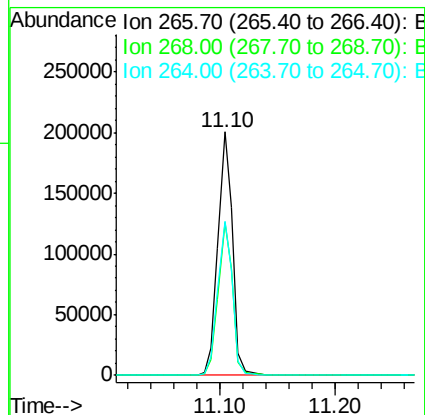
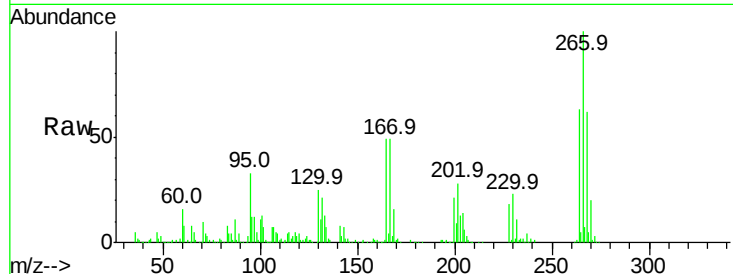
#69
 Pentachlorophenol
 Concen: 60.745 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	266	Resp:	176239
Ion Ratio	Lower	Upper	
266	100		
268	62.5	51.1	76.7
264	63.3	51.7	77.5

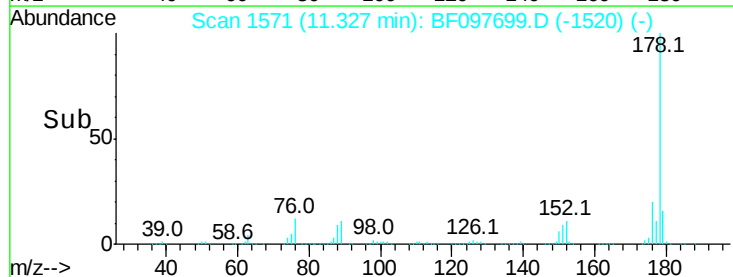
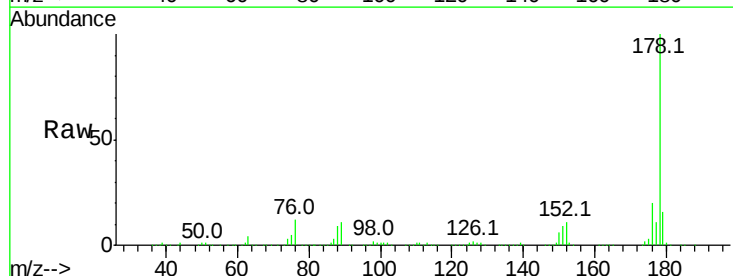
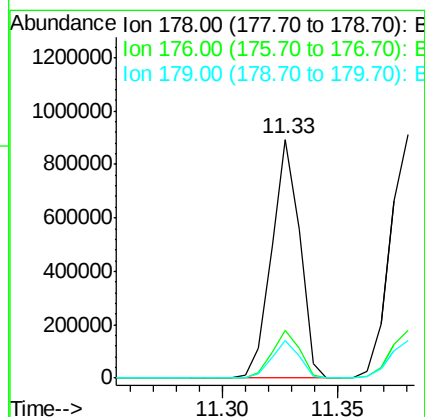
Manual Integrations
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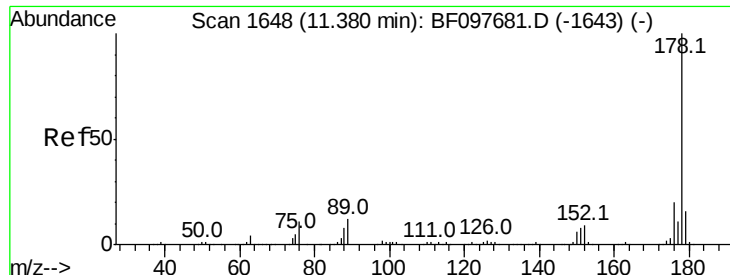
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#70
 Phenanthrene
 Concen: 30.032 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion:	178	Resp:	752356
Ion Ratio	Lower	Upper	
178	100		
176	20.3	16.2	24.4
179	15.8	12.6	19.0





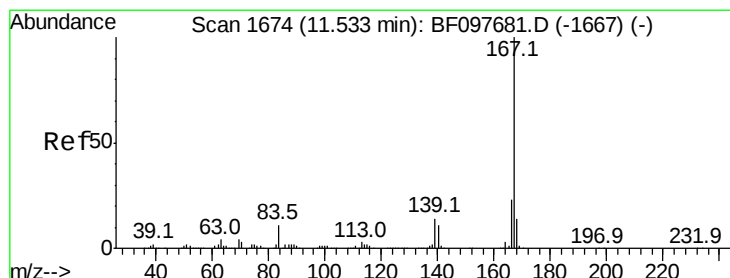
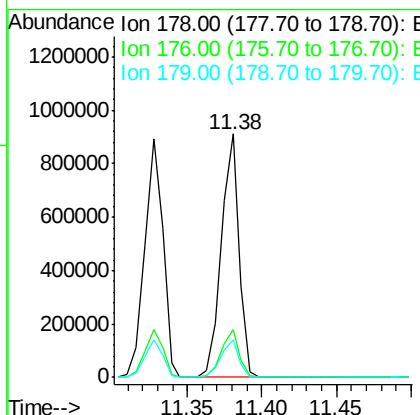
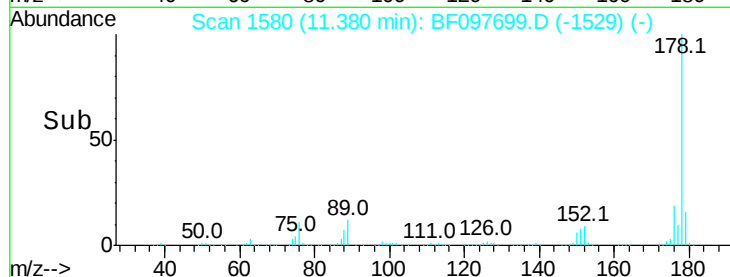
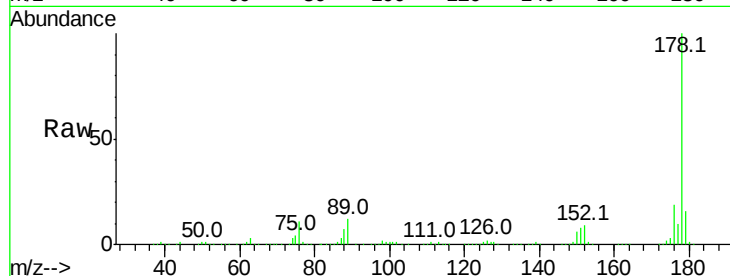
#71
 Anthracene
 Concen: 30.210 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	12.7	19.1

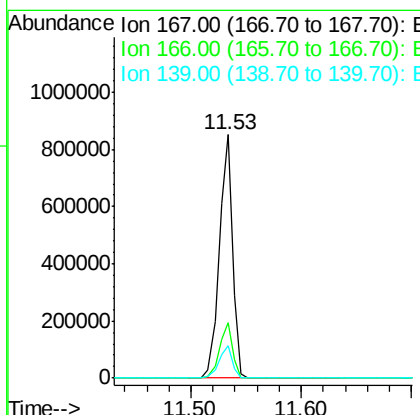
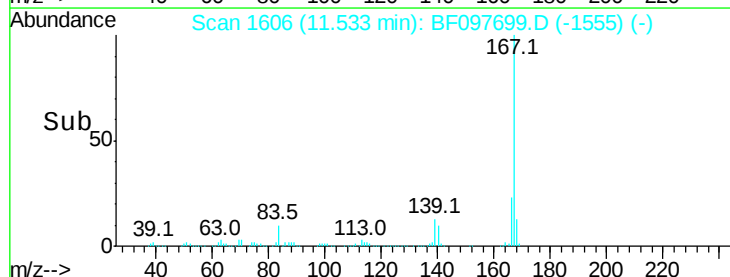
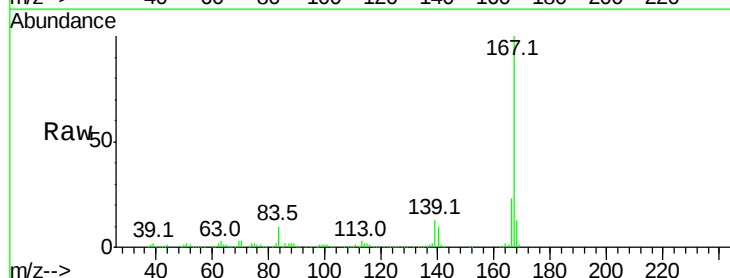
Manual Integrations
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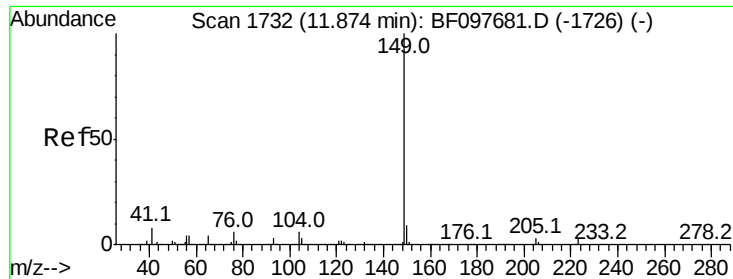
Sohil
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#72
 Carbazole
 Concen: 29.400 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	13.2	11.7	17.5





#73

Di-n-butylphthalate

Concen: 32.958 ng

RT: 11.87 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

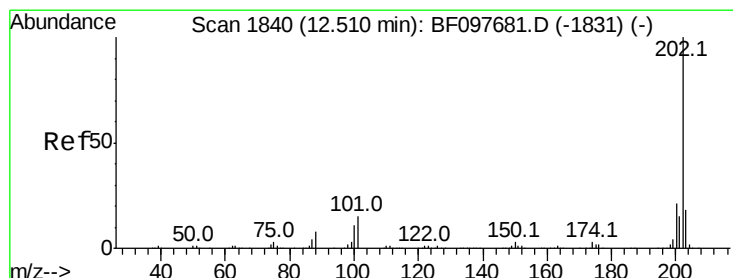
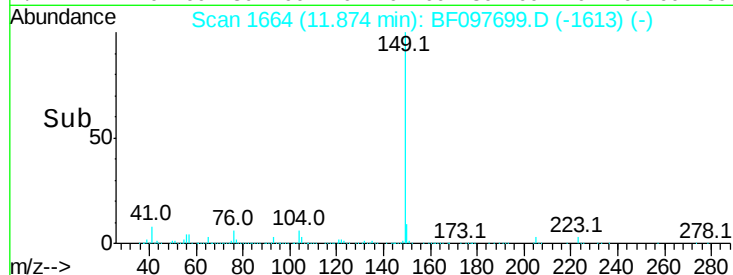
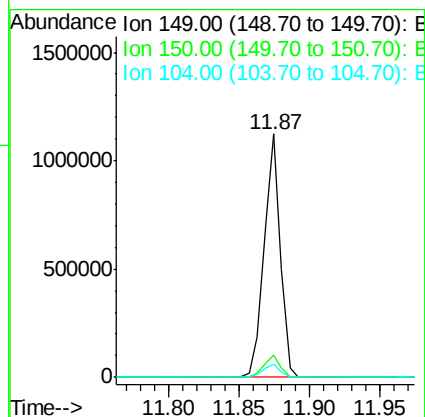
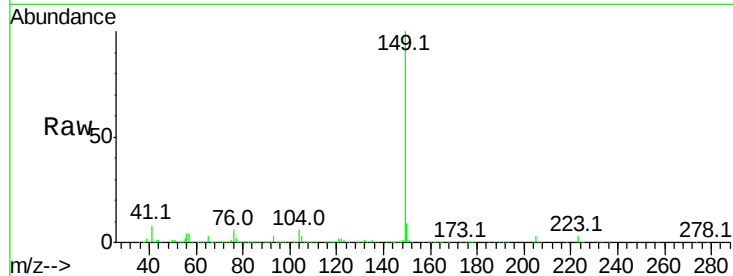
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	149	Resp:	915618
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.7	11.5
104	5.6	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 28.493 ng

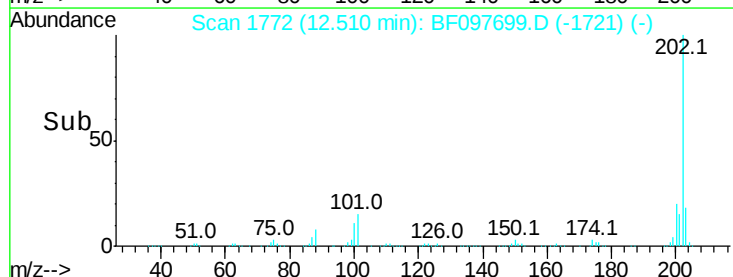
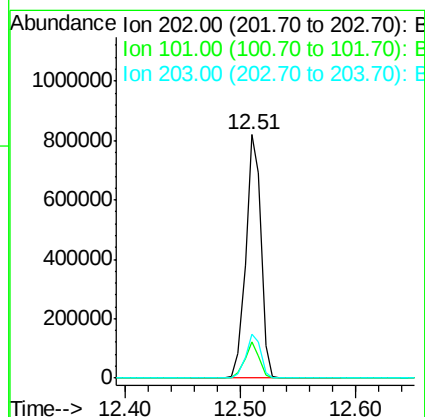
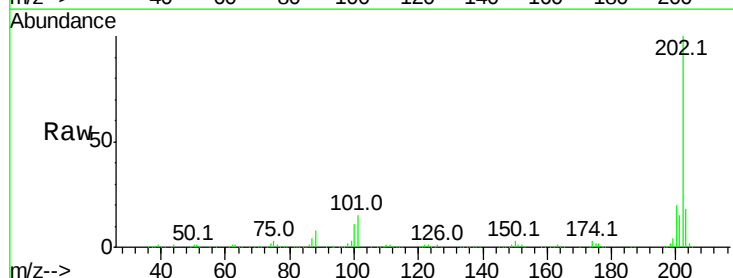
RT: 12.51 min Scan# 1772

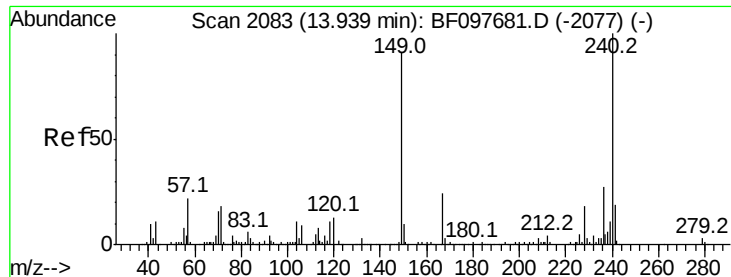
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	202	Resp:	745028
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

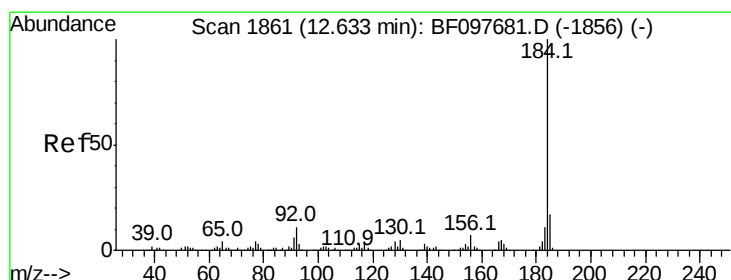
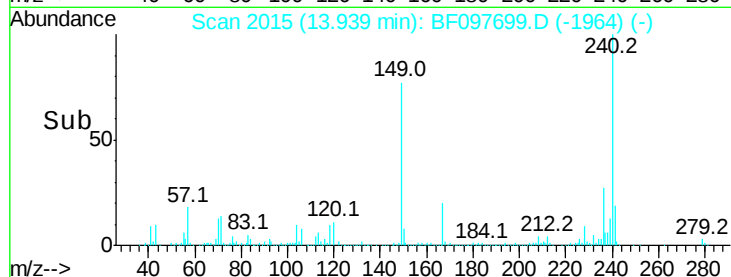
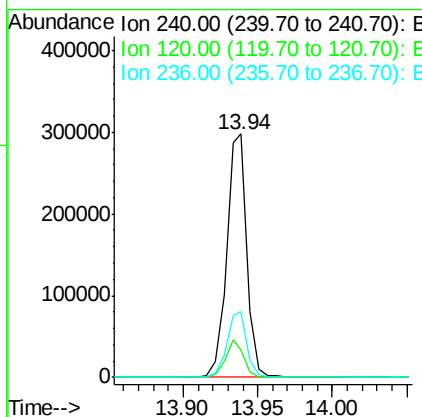
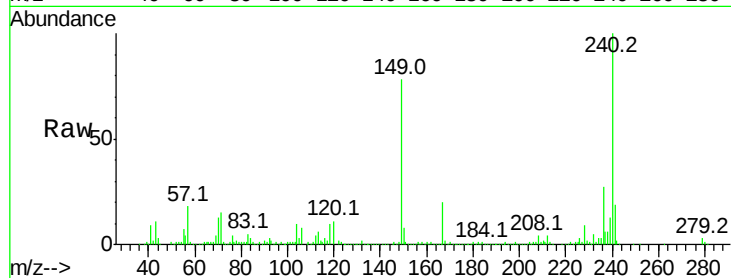
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.3	5.8	8.8#	
236	27.2	20.5	30.7	

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#76

Benzidine

Concen: 22.703 ng m

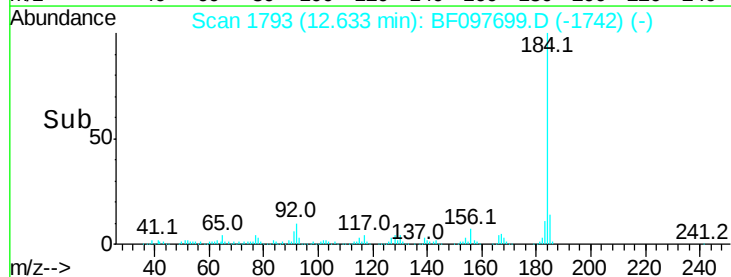
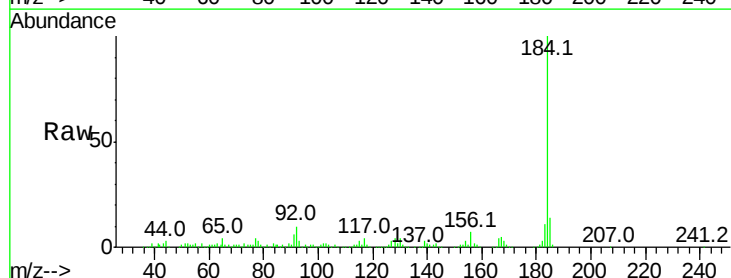
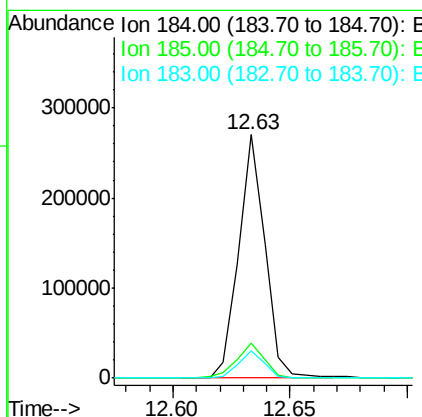
RT: 12.63 min Scan# 1793

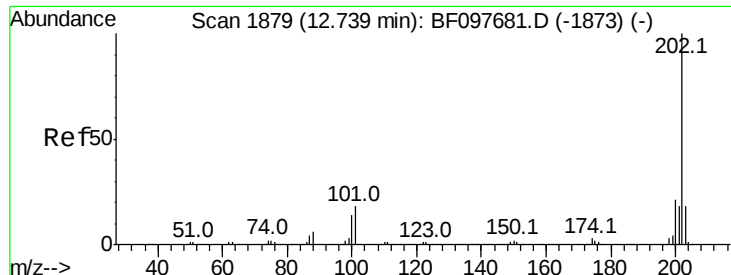
Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.5	15.5	23.3#	
183	11.5	9.8	14.6	





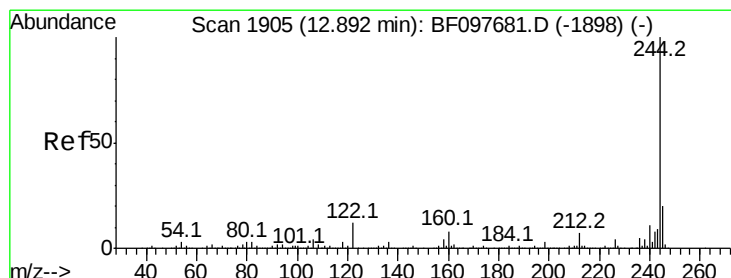
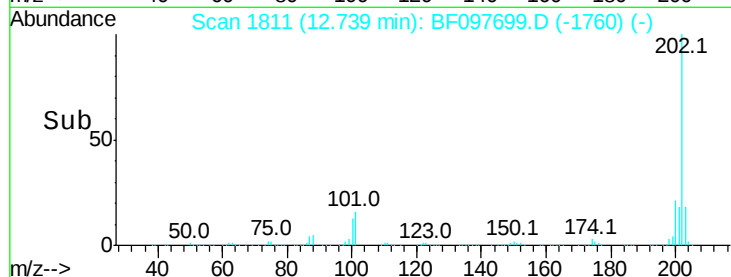
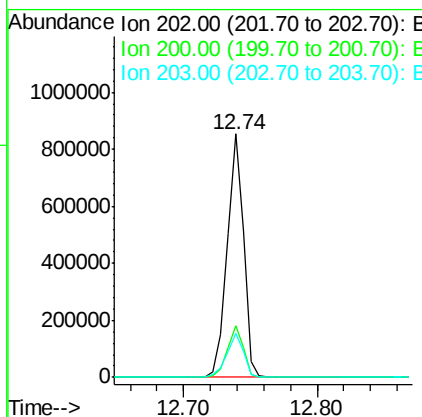
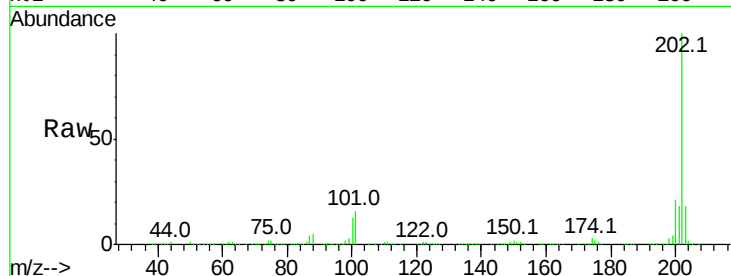
#77
Pvrene
Concen: 32.084 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	744216		
200	21.2		17.6	26.4
203	18.0		14.4	21.6

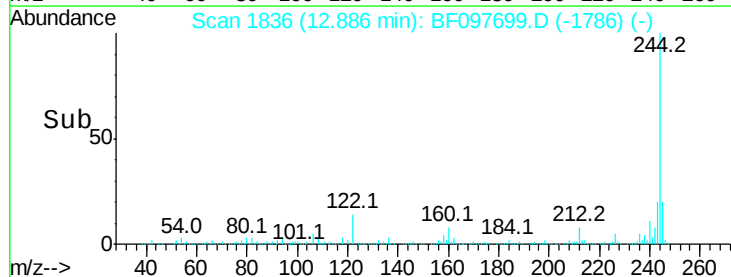
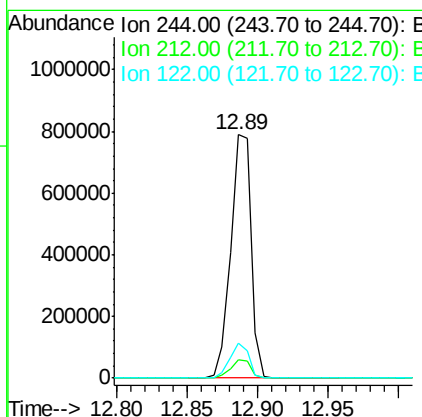
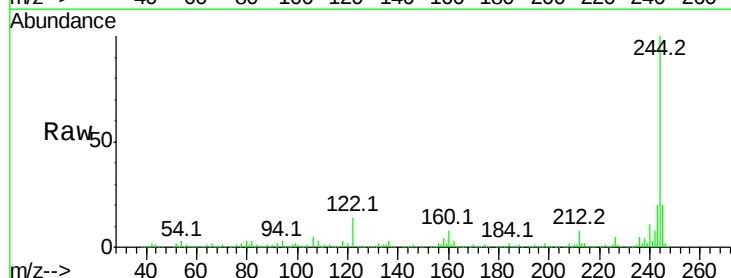
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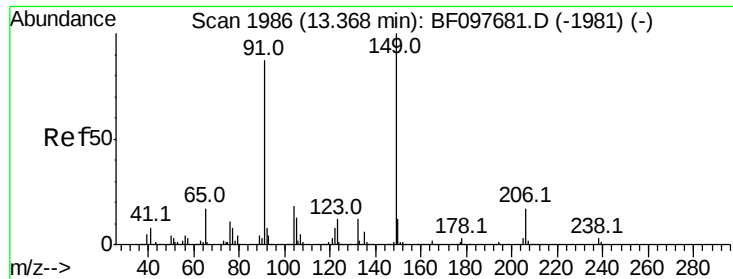
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#78
Terphenyl-d14
Concen: 58.245 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	792129		
212	7.5		6.0	9.0
122	14.4		10.3	15.5





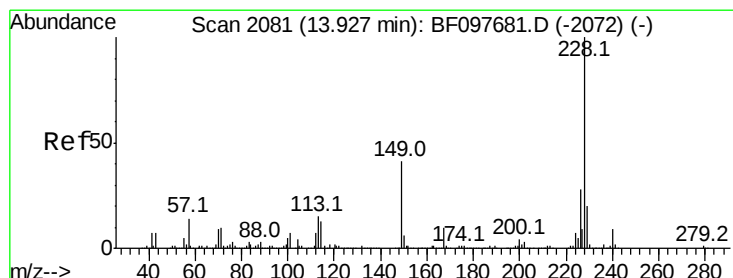
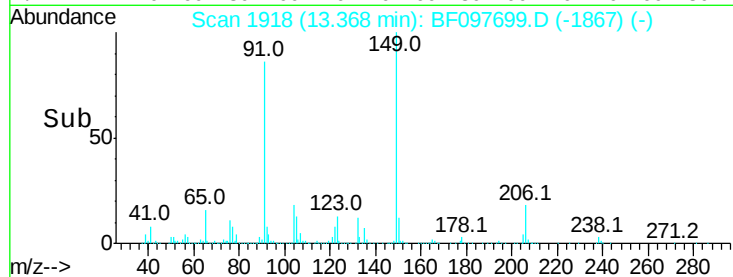
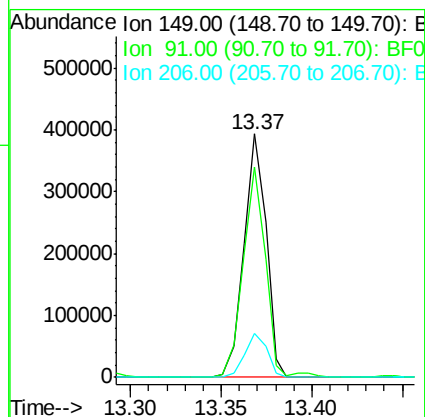
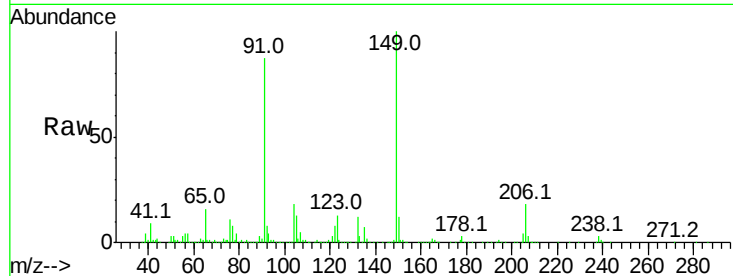
#79
Butylbenzylphthalate
Concen: 37.724 ng
RT: 13.37 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	335486		
91	86.6	45.0	67.4#	
206	18.2	17.0	25.6	

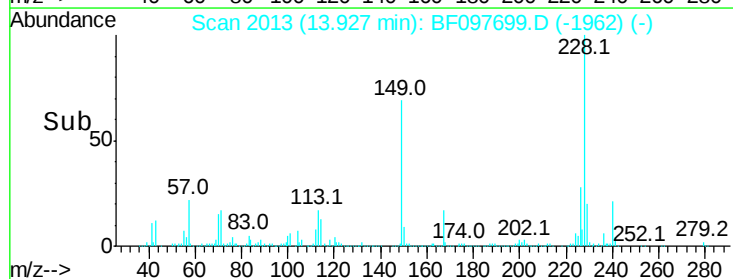
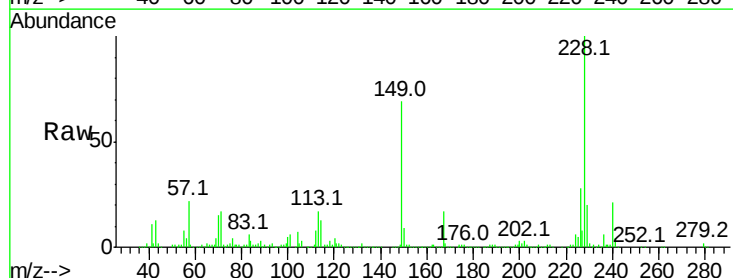
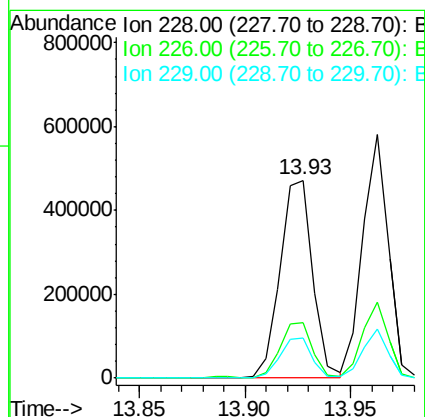
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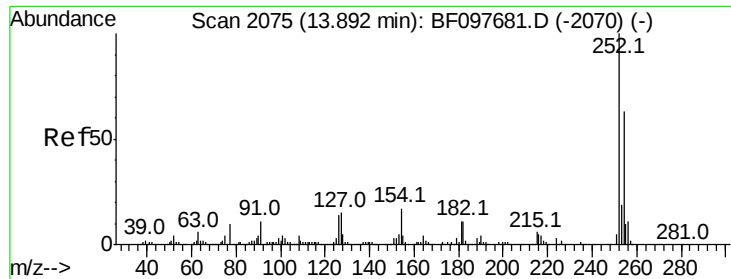
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#80
Benzo(a)anthracene
Concen: 29.908 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	508372		
226	28.3	22.6	33.8	
229	20.1	16.3	24.5	





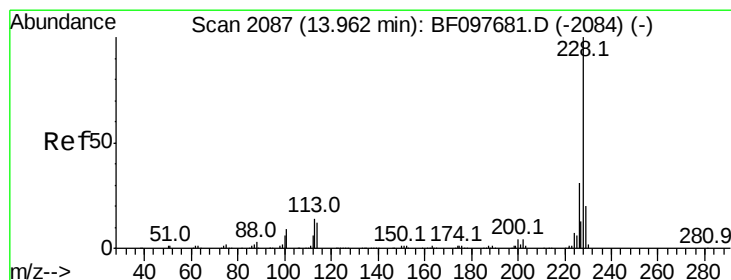
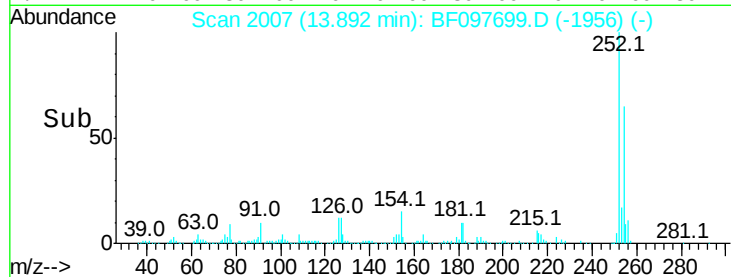
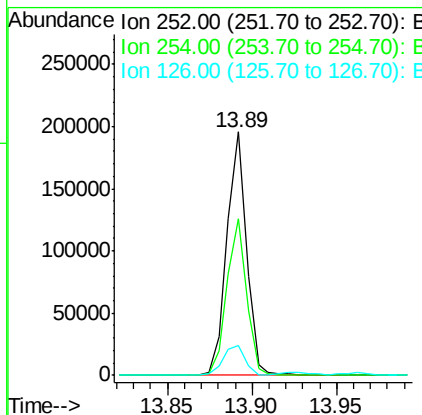
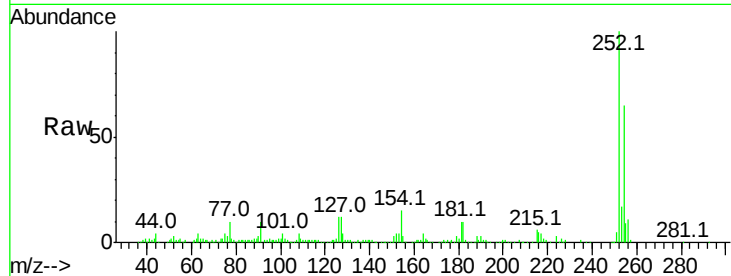
#81
 3,3'-Dichlorobenzidine
 Concen: 27.643 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.6	51.5	77.3
126	12.5	15.8	23.8

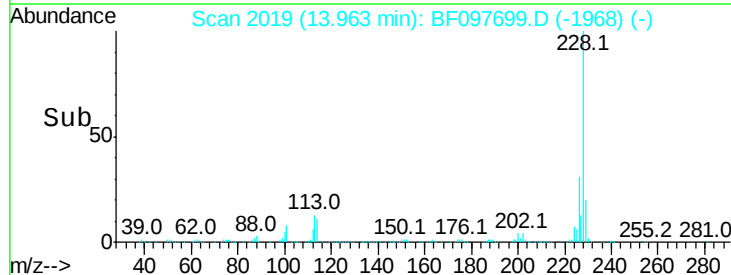
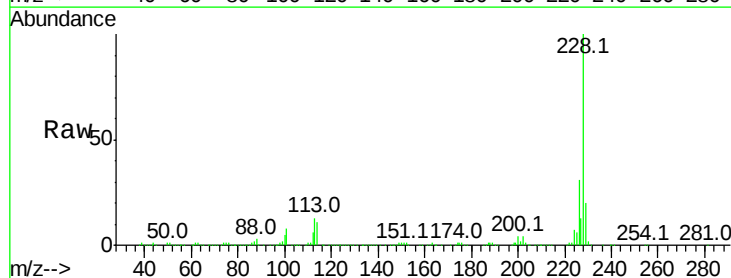
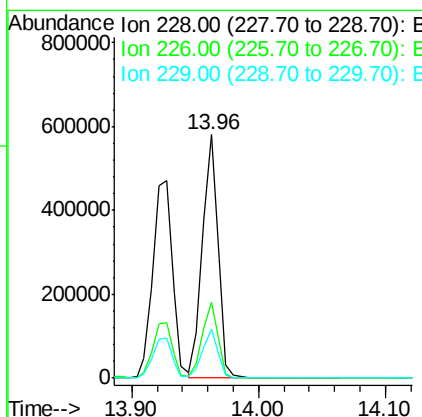
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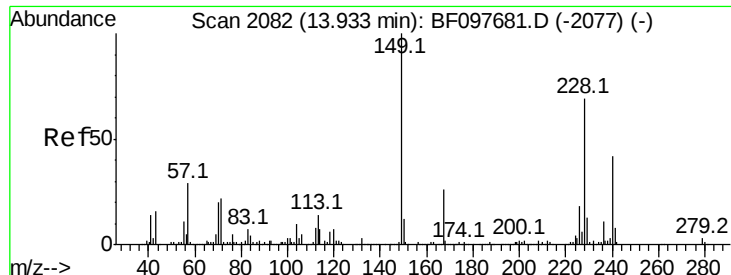
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#82
 Chrysene
 Concen: 29.260 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.2	24.9	37.3
229	20.1	15.8	23.6





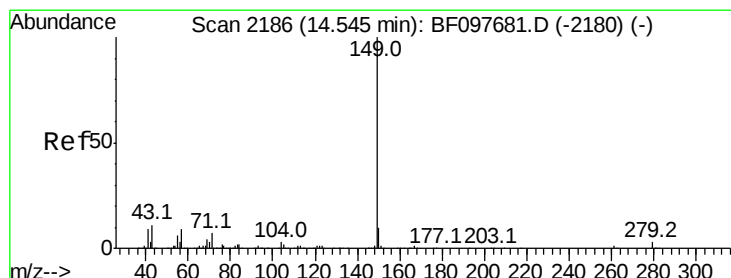
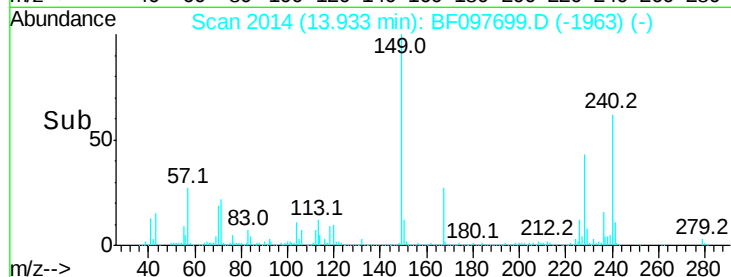
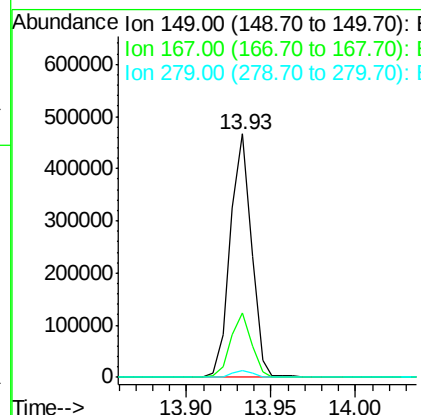
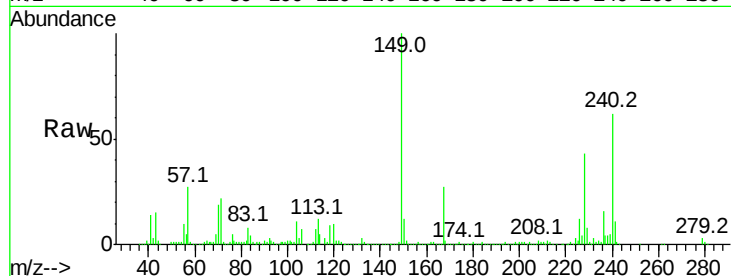
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.294 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.6	21.0	31.4	
279	2.9	1.9	2.9	

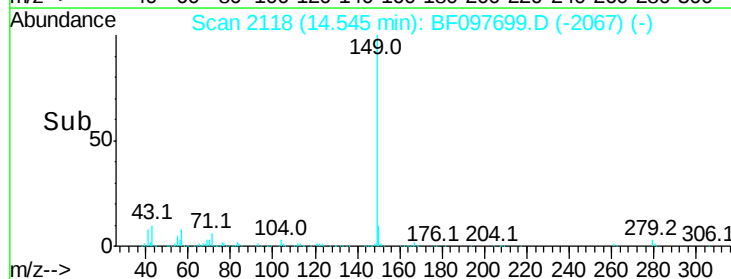
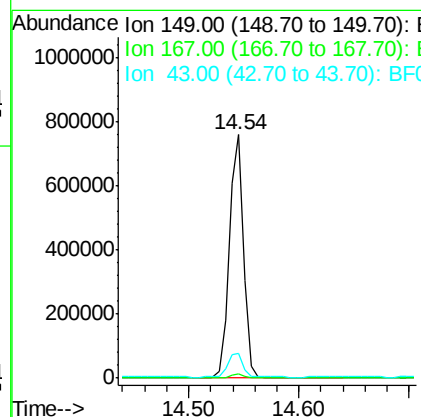
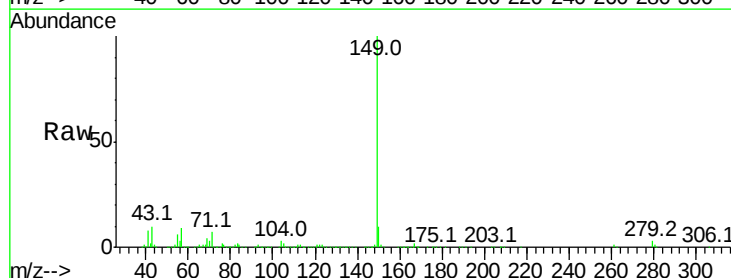
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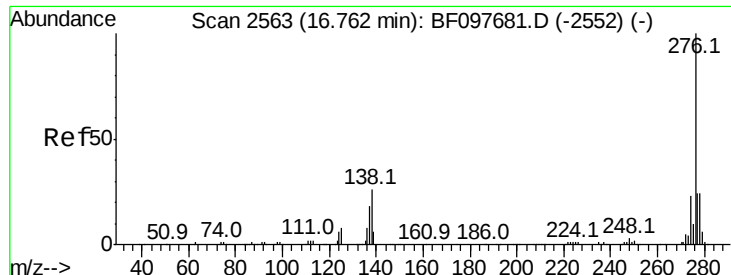
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#84
 Di-n-octyl phthalate
 Concen: 39.532 ng
 RT: 14.54 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BF097699.D
 Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.2	1.8	
43	10.6	8.5	12.7	





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.891 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

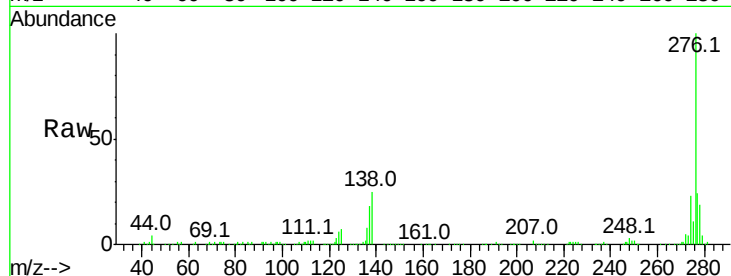
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

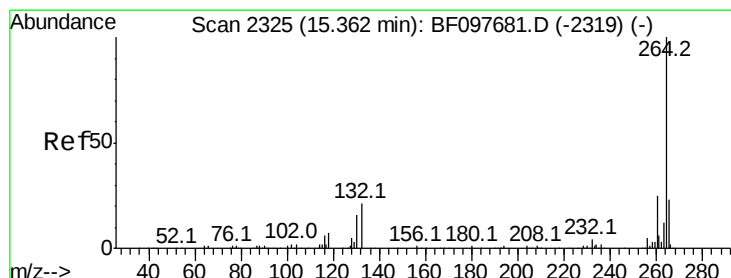
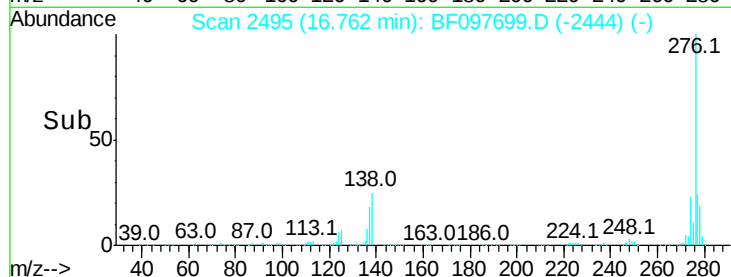
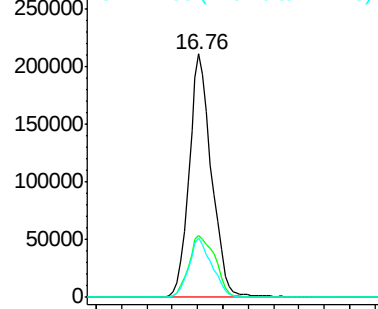
Tot Ion:	276	Resp:	521070
Ion Ratio		Lower	Upper
276	100		
138	30.1	27.8	41.6
277	25.1	20.2	30.4

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



#86

Perylene-d12

Concen: 20.000 ng

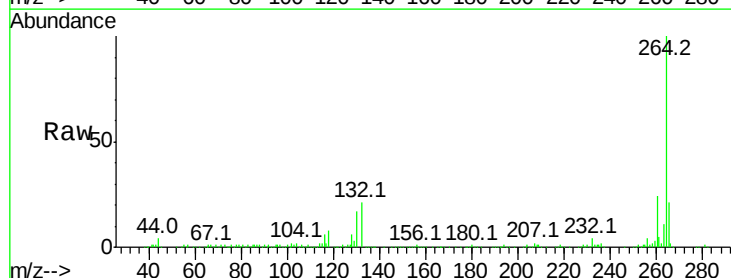
RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

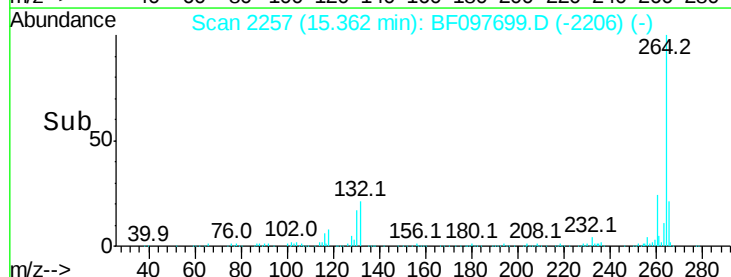
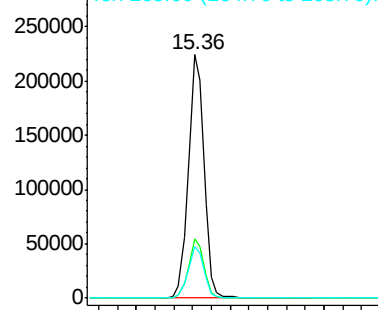
Lab File: BF097699.D

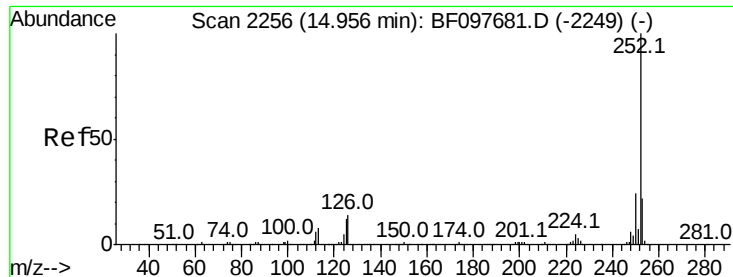
Acq: 15 Aug 2017 19:03

Tgt Ion:	264	Resp:	266098
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.3	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.904 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

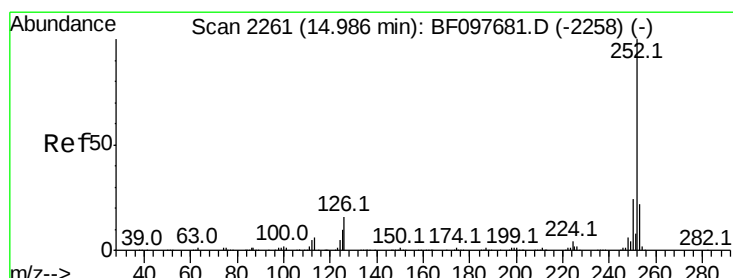
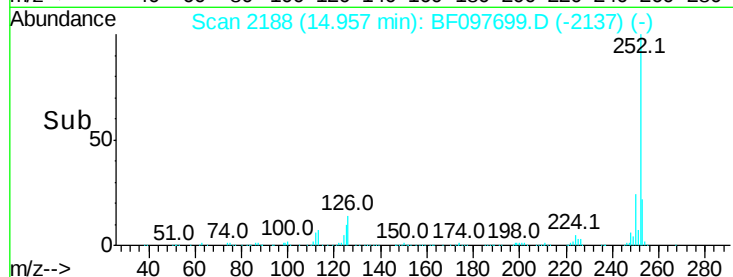
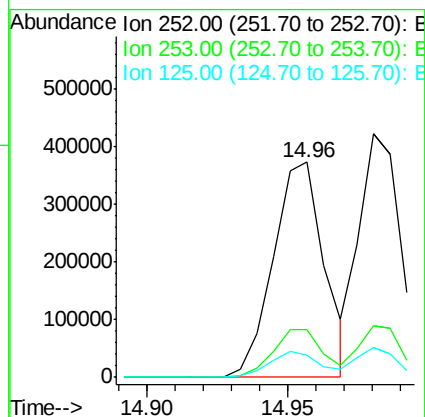
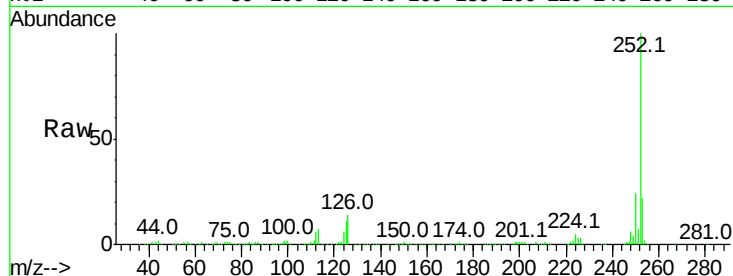
ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	252	Resp:	468042
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	10.5	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 27.700 ng

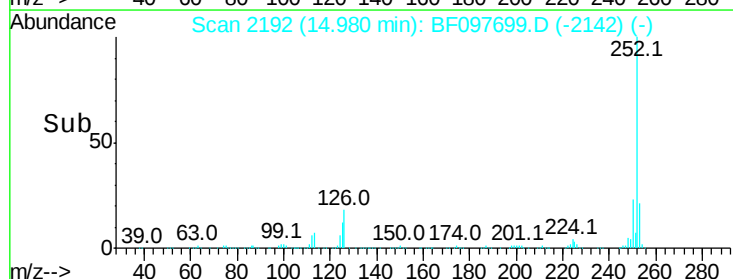
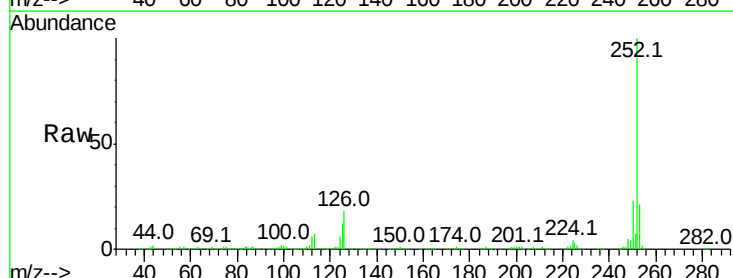
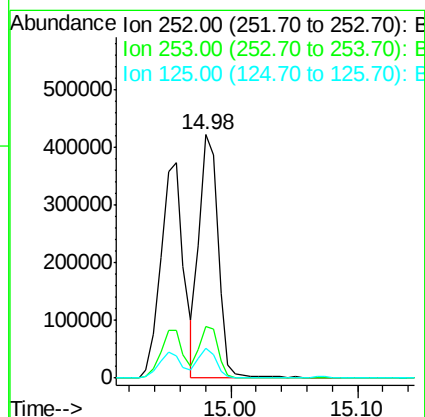
RT: 14.98 min Scan# 2192

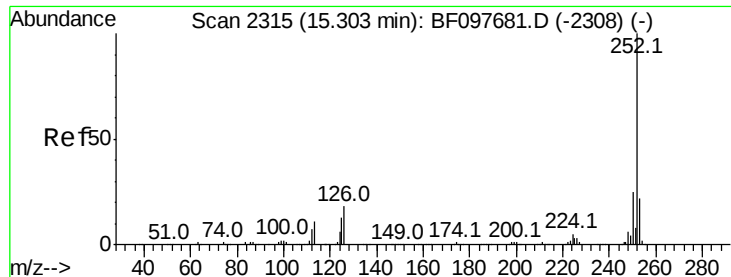
Delta R.T. -0.01 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Tgt Ion:	252	Resp:	436504
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.4	27.6
125	12.2	13.1	19.7#





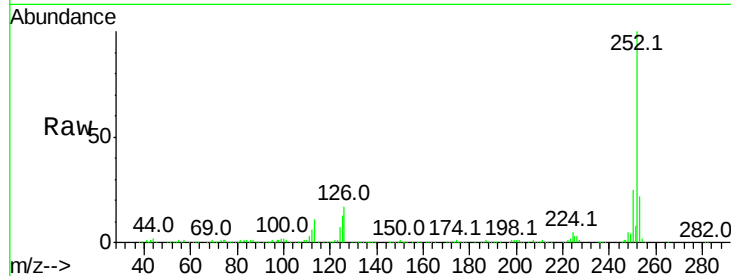
#89
Benzo(a)pyrene
Concen: 29.972 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

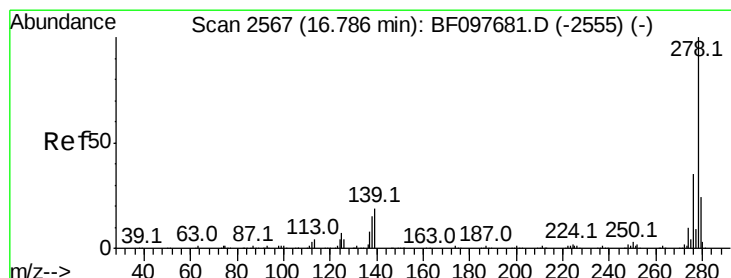
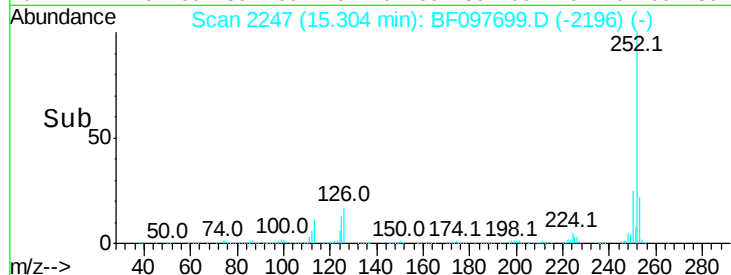
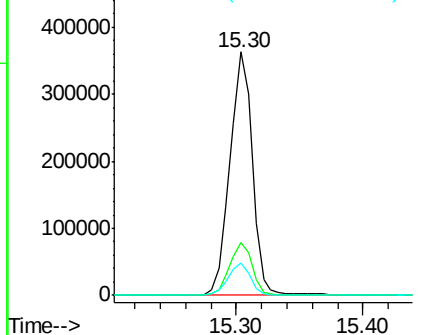
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	13.2	11.0	16.4

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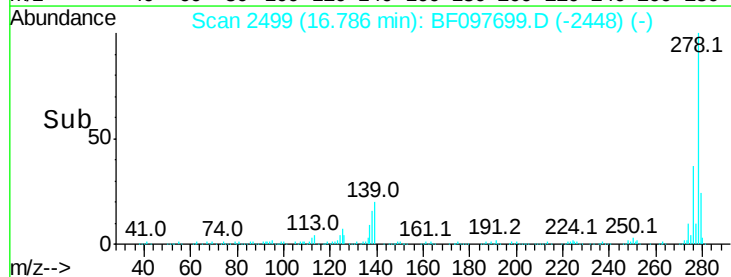
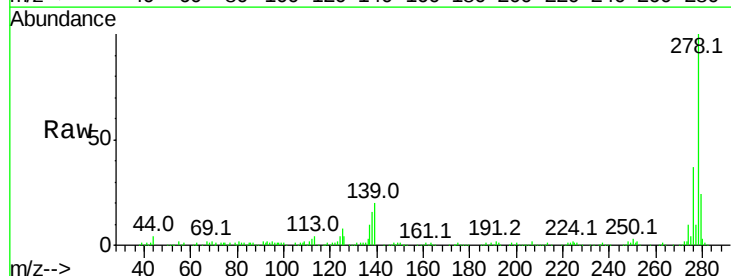
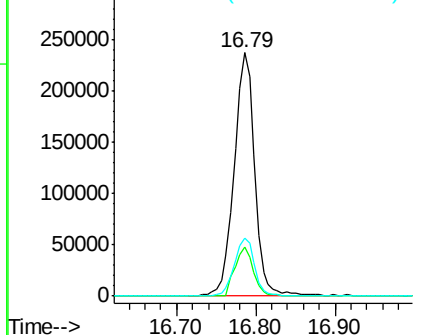
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

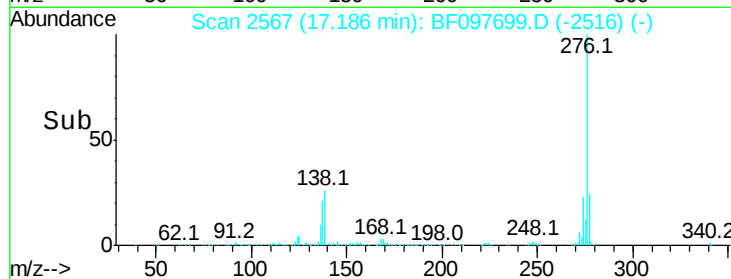
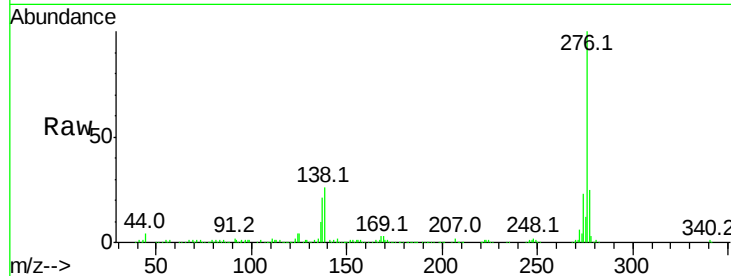
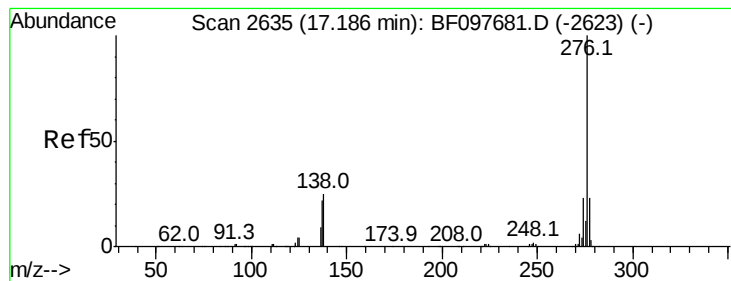


#90
Dibenzo(a,h)anthracene
Concen: 35.358 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF097699.D
Acq: 15 Aug 2017 19:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	16.6	24.8
279	23.6	19.3	28.9

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





#91

Benzo(a,h,i)perylene

Concen: 35.332 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BF097699.D

Acq: 15 Aug 2017 19:03

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMSD

Tot Ion:	276	Resp:	445662
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.6	28.0
138	26.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/16/2017 6:49:10 PM

