

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100769.D
 Acq On : 21 Nov 2017 9:41
 Operator : SJ/JU
 Sample : I6300-02MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM

Quant Time: Nov 21 12:07:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	90243	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	350609	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	147551	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	235955	20.00	ng	0.00
75) Chrysene-d12	14.04	240	189603	20.00	ng	0.00
86) Perylene-d12	15.51	264	152750	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	581935	103.37	ng	0.02
7) Phenol-d6	6.51	99	639705	92.15	ng	0.00
23) Nitrobenzene-d5	7.44	82	487856	91.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	169799	112.93	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	902469	93.13	ng	0.00
78) Terphenyl-d14	12.98	244	668492	81.01	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	84173	30.681	ng	# 81
3) Pyridine	3.56	79	192503	25.719	ng	93
4) n-Nitrosodimethylamine	3.52	42	114643	31.547	ng	# 97
6) Aniline	6.54	93	92845	9.467	ng	99
8) 2-Chlorophenol	6.66	128	243970	40.964	ng	97
9) Benzaldehyde	6.43	77	95806	19.325	ng	98
10) Phenol	6.52	94	241605	33.152	ng	98
11) bis(2-Chloroethyl)ether	6.62	93	230598	37.671	ng	99
12) 1,3-Dichlorobenzene	6.82	146	283547	41.295	ng	98
13) 1,4-Dichlorobenzene	6.89	146	285201	41.038	ng	98
14) 1,2-Dichlorobenzene	7.05	146	268900	41.849	ng	98
15) Benzyl Alcohol	7.02	79	209254	38.622	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	405924	41.461	ng	99
17) 2-Methylphenol	7.13	107	201947	39.679	ng	98
18) Hexachloroethane	7.39	117	85043	37.114	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	171858	35.697	ng	93
20) 3+4-Methylphenols	7.27	107	241237	37.457	ng	# 84
22) Acetophenone	7.29	105	338676	39.613	ng	# 98
24) Nitrobenzene	7.46	77	253965	46.528	ng	98
25) Isophorone	7.69	82	462382	41.491	ng	100
26) 2-Nitrophenol	7.77	139	124533	48.588	ng	94
27) 2,4-Dimethylphenol	7.80	122	223225	44.684	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	296871	40.726	ng	99
29) 2,4-Dichlorophenol	8.01	162	212698	44.599	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	230062	44.596	ng	96
31) Naphthalene	8.18	128	922130	54.605	ng	100
32) Benzoic acid	7.92	122	108009	32.093	ng	95
33) 4-Chloroaniline	8.22	127	44446	6.323	ng	98
34) Hexachlorobutadiene	8.29	225	135786	44.270	ng	98
35) Caprolactam	8.60	113	48076m	29.374	ng	
36) 4-Chloro-3-methylphenol	8.70	107	205431	40.107	ng	99
37) 2-Methylnaphthalene	8.87	142	496002	44.241	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	222993	45.569	ng	# 95
40) Hexachlorocyclopentadiene	9.02	237	64861	28.162	ng	95

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100769.D
 Acq On : 21 Nov 2017 9:41
 Operator : SJ/JU
 Sample : I6300-02MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

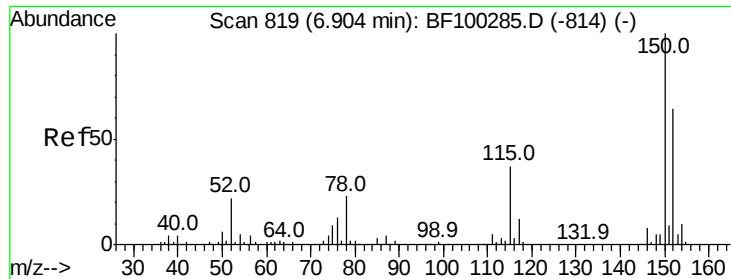
Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM

Quant Time: Nov 21 12:07:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	147008	47.400	nq	99
43) 2,4,5-Trichlorophenol	9.19	196	150611	46.871	nq	94
45) 1,1'-Biphenyl	9.33	154	568355	44.536	nq	98
46) 2-Chloronaphthalene	9.36	162	435791	47.071	nq	94
47) 2-Nitroaniline	9.46	65	125966	46.160	nq	95
48) Acenaphthylene	9.77	152	648150	42.244	nq	99
49) Dimethylphthalate	9.63	163	521537	46.294	nq	99
50) 2,6-Dinitrotoluene	9.70	165	107514	48.213	nq #	84
51) Acenaphthene	9.95	154	387224	41.498	nq	100
52) 3-Nitroaniline	9.86	138	52418	19.906	nq	88
53) 2,4-Dinitrophenol	9.97	184	17845	29.692	nq #	15
54) Dibenzofuran	10.12	168	564126	43.135	nq	98
55) 4-Nitrophenol	10.02	139	131861	61.670	nq	92
56) 2,4-Dinitrotoluene	10.10	165	128479	45.670	nq #	93
57) Fluorene	10.46	166	417147	43.540	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.23	232	112588	42.751	nq #	82
59) Diethylphthalate	10.33	149	485391	43.055	nq	97
60) 4-Chlorophenyl-phenylether	10.45	204	210021	44.686	nq	90
61) 4-Nitroaniline	10.48	138	92709	37.129	nq	87
62) Azobenzene	10.61	77	395502	37.248	nq	96
64) 4,6-Dinitro-2-methylphenol	10.50	198	13828	18.104	nq	79
65) n-Nitrosodiphenylamine	10.57	169	393125	47.916	nq	97
66) 4-Bromophenyl-phenylether	10.94	248	127317	50.335	nq #	88
67) Hexachlorobenzene	11.01	284	124176	46.939	nq #	82
68) Atrazine	11.09	200	120833	48.654	nq	99
69) Pentachlorophenol	11.20	266	127824	67.384	nq	99
70) Phenanthrene	11.42	178	550916	44.345	nq	98
71) Anthracene	11.47	178	555060	44.038	nq	99
72) Carbazole	11.63	167	483126	41.542	nq	99
73) Di-n-butylphthalate	11.95	149	661229	48.585	nq	99
74) Fluoranthene	12.61	202	535638	40.682	nq	97
76) Benzidine	12.73	184	112749	14.849	nq	96
77) Pyrene	12.84	202	550691	40.745	nq	99
79) Butylbenzylphthalate	13.45	149	241050	43.733	nq	91
80) Benzo(a)anthracene	14.03	228	514700	45.079	nq	99
81) 3,3'-Dichlorobenzidine	13.99	252	133080	32.531	nq	98
82) Chrysene	14.06	228	486432	43.995	nq	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	342853	47.294	nq	100
84) Di-n-octyl phthalate	14.62	149	603530	48.461	nq	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	340621	38.087	nq	94
87) Benzo(b)fluoranthene	15.08	252	425182	46.983	nq	98
88) Benzo(k)fluoranthene	15.11	252	405872	47.467	nq #	96
89) Benzo(a)pyrene	15.45	252	368460	45.927	nq	98
90) Dibenzo(a,h)anthracene	17.01	278	286655	43.690	nq	97
91) Benzo(g,h,i)perylene	17.44	276	274599	42.755	nq	95

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



#1

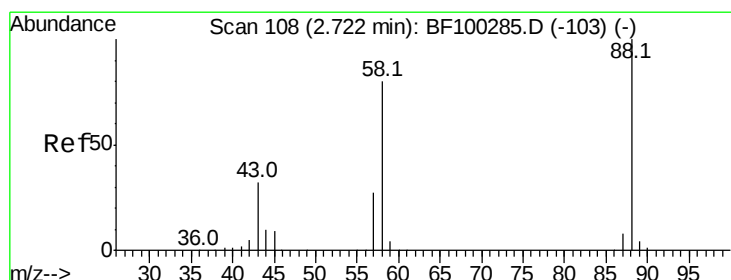
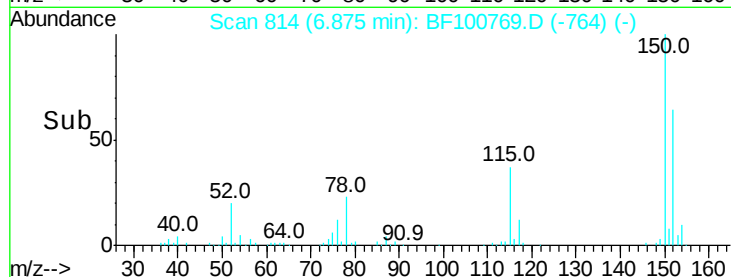
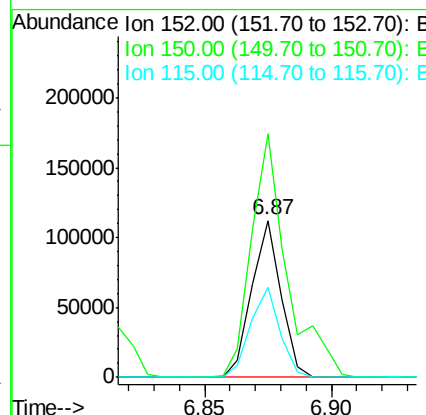
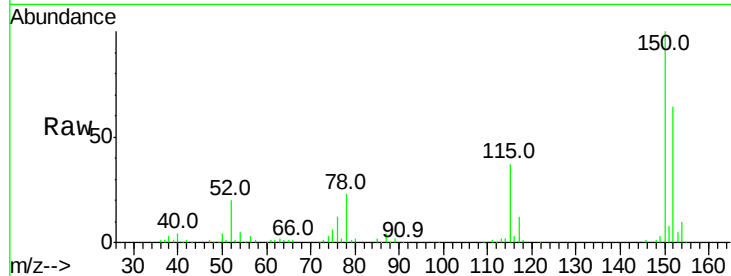
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
APPROVED

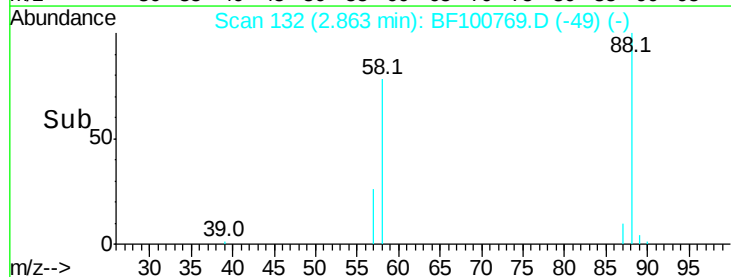
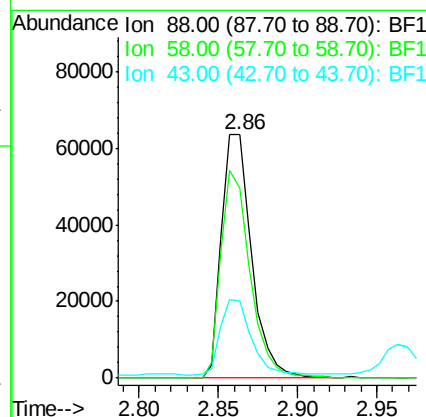
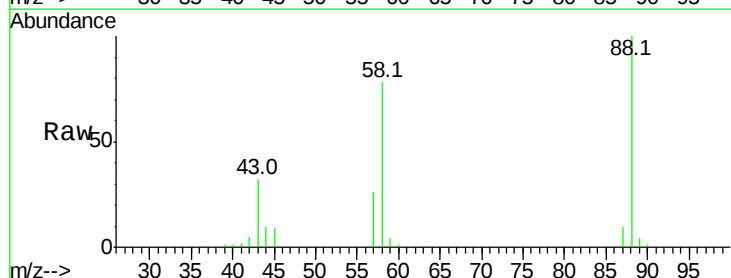
SOHIL
11/21/2017 2:17:34 PM

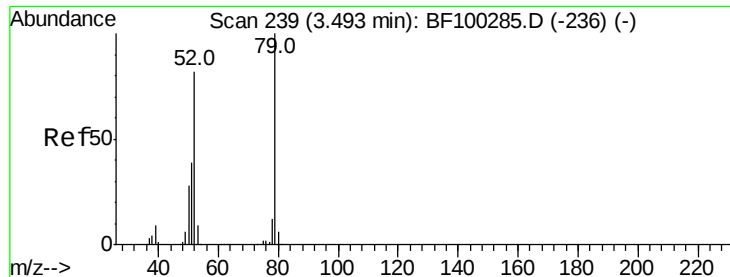


#2

1,4-Dioxane
Concen: 30.681 ng
RT: 2.86 min Scan# 132
Delta R.T. 0.19 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.4	62.6	93.8
43	0.0	24.6	37.0#





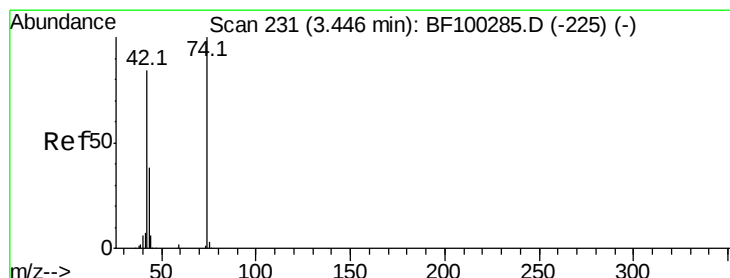
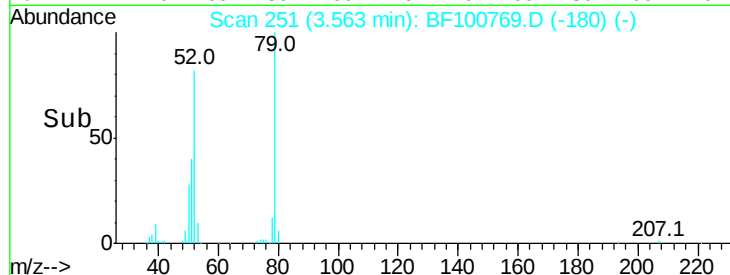
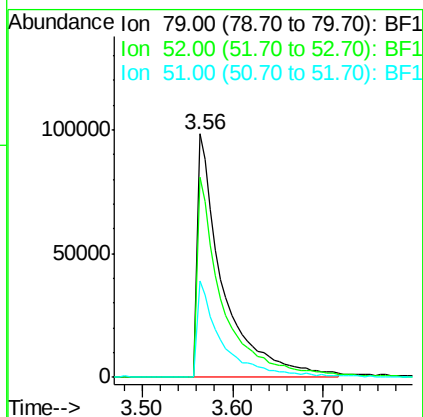
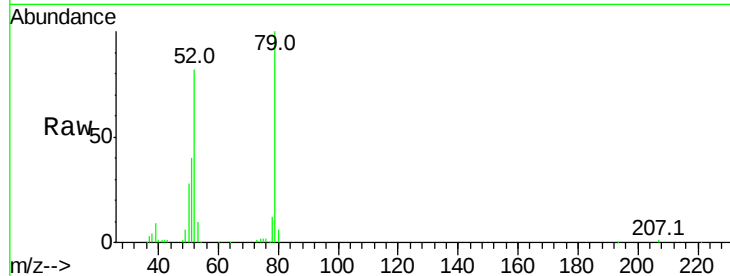
#3
 Pvridine
 Concen: 25.719 ng
 RT: 3.56 min Scan# 251
 Delta R.T. 0.12 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.0	59.8	89.6
51	39.6	29.8	44.8

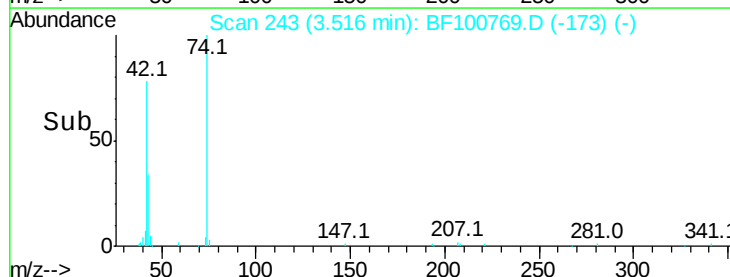
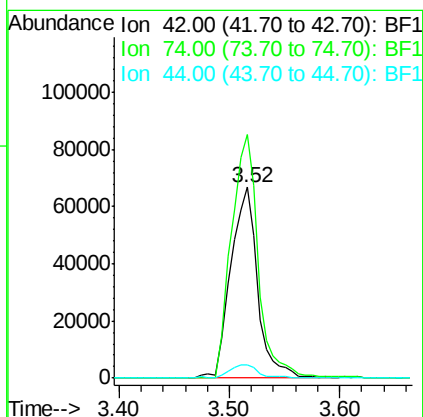
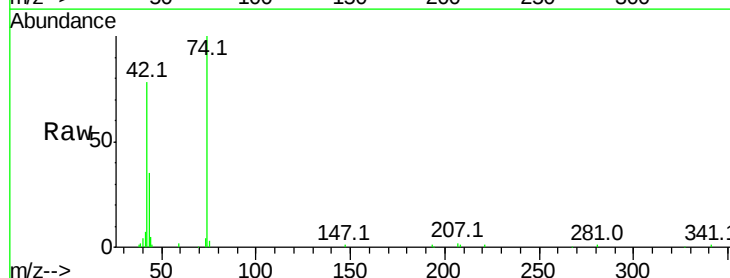
Manual Integrations
 APPROVED

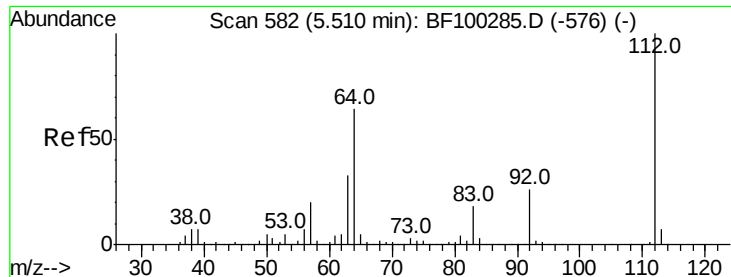
SOHIL
 11/21/2017 2:17:34 PM



#4
 n-Nitrosodimethylamine
 Concen: 31.547 ng
 RT: 3.52 min Scan# 243
 Delta R.T. 0.11 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
42	100		
74	127.6	104.9	157.3
44	6.7	6.9	10.3#





#5

2-Fluorophenol

Concen: 103.369 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

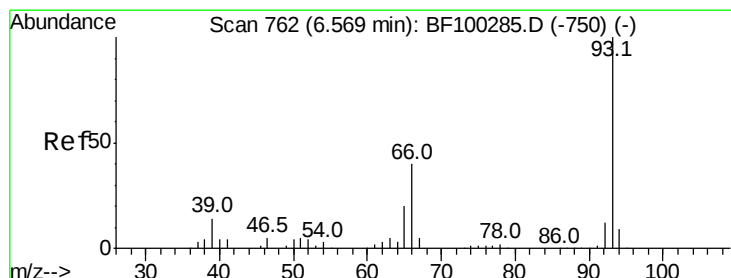
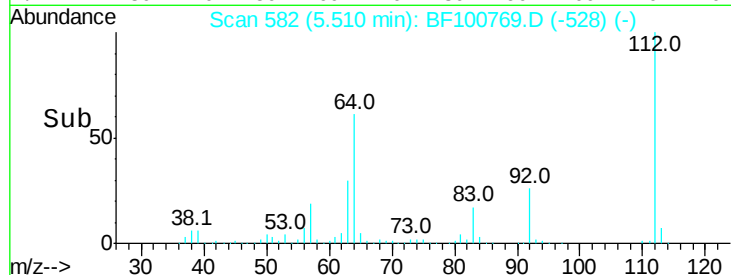
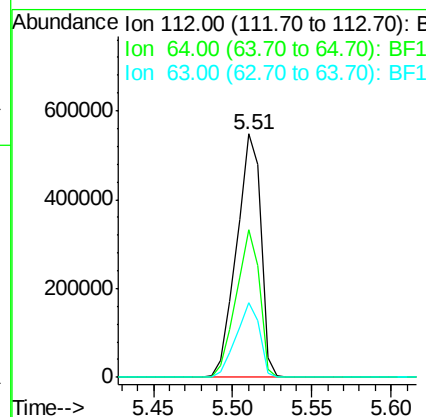
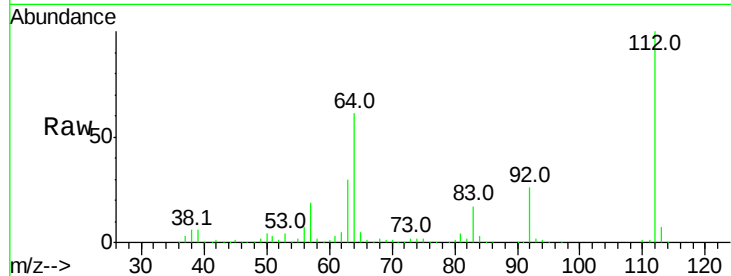
ClientSampleId :

OR-02-110617MSD

Tot Ion:	112	Resp:	581935
Ion Ratio	Lower	Upper	
112	100		
64	60.8	47.9	71.9
63	30.5	23.7	35.5

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#6

Aniline

Concen: 9.467 ng

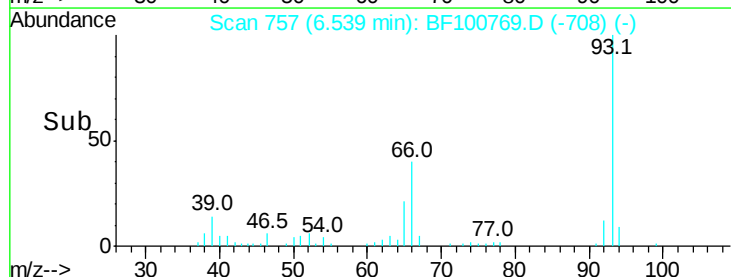
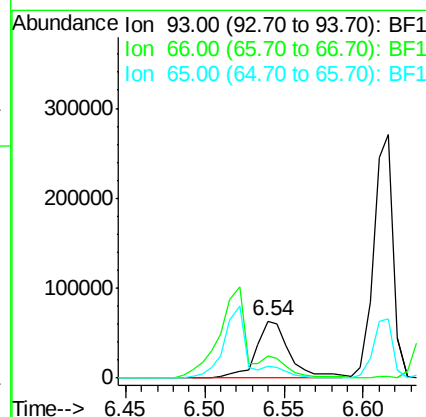
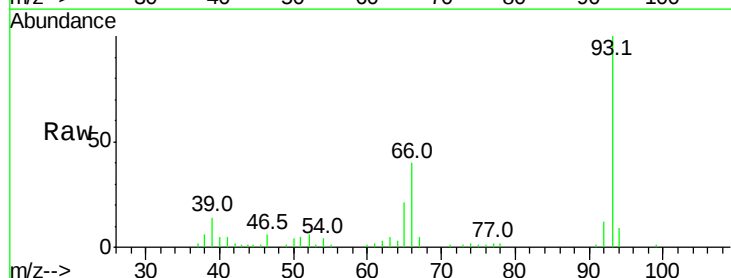
RT: 6.54 min Scan# 757

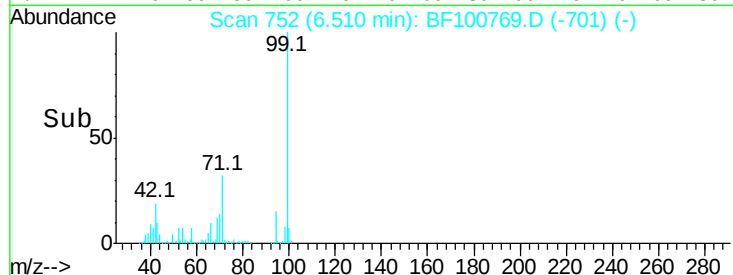
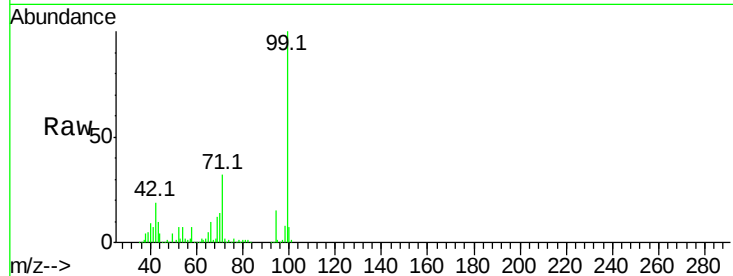
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	93	Resp:	92845
Ion Ratio	Lower	Upper	
93	100		
66	39.6	32.2	48.2
65	20.6	16.4	24.6





#7

Phenol-d6

Concen: 92.148 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		639705		
42	18.6	14.5	21.7		
71	31.9	25.4	38.0		

Instrument :

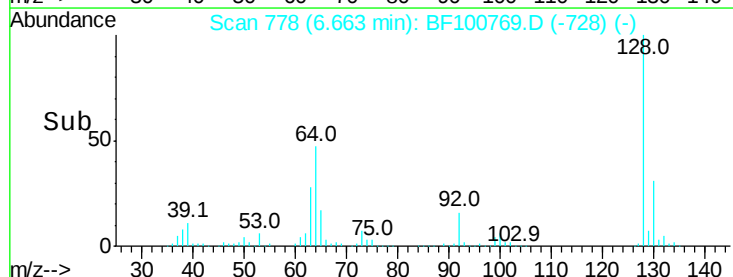
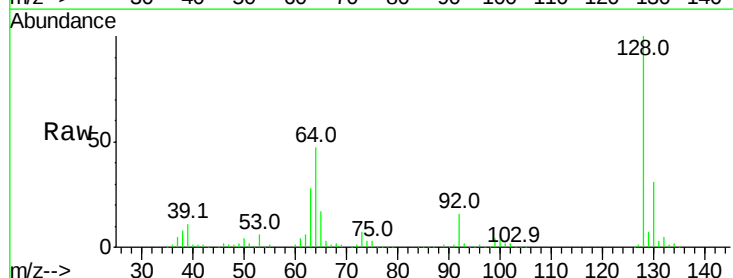
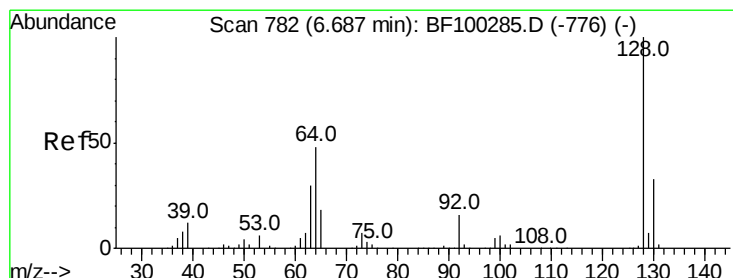
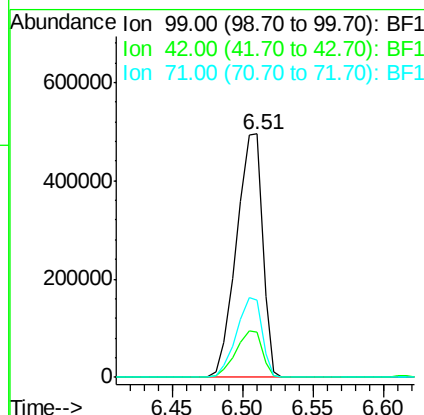
BNA_F

ClientSampleId :

OR-02-110617MSD

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#8

2-Chlorophenol

Concen: 40.964 ng

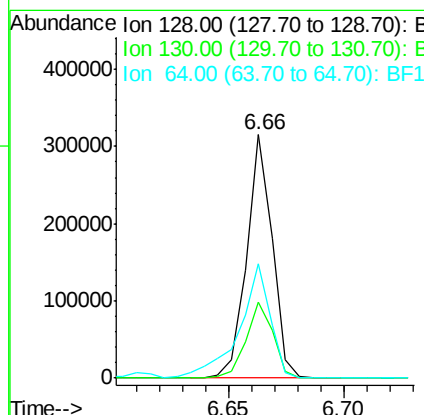
RT: 6.66 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		243970		
130	31.4	13.0	53.0		
64	46.7	29.4	69.4		





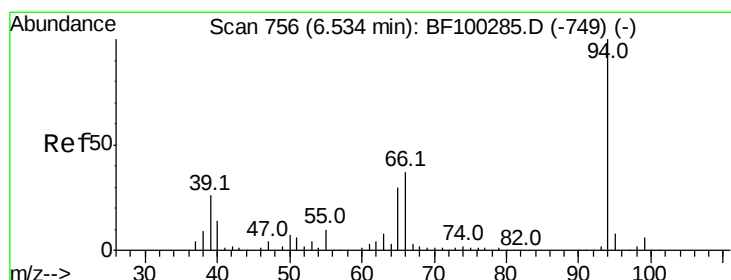
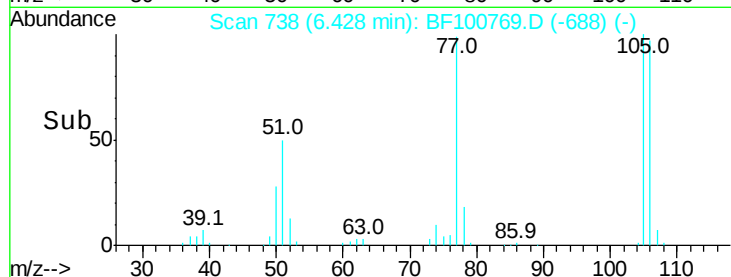
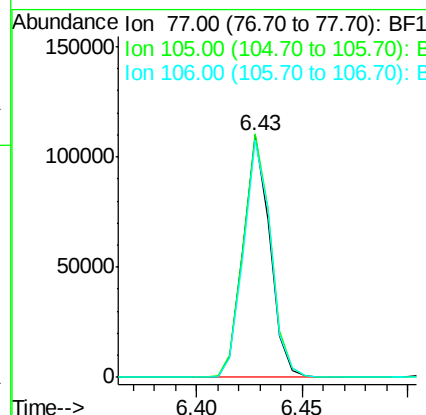
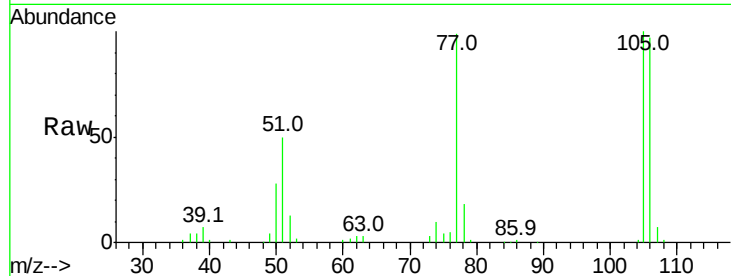
#9
Benzaldehyde
Concen: 19.325 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion: 77 Resp: 95806
Ion Ratio Lower Upper
77 100
105 100.7 81.1 121.1
106 97.9 74.5 114.5

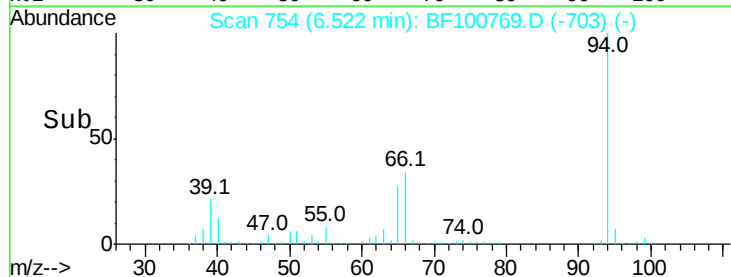
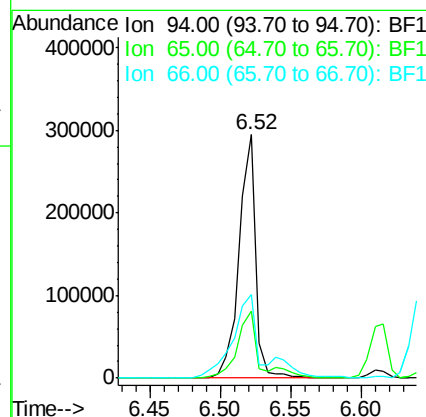
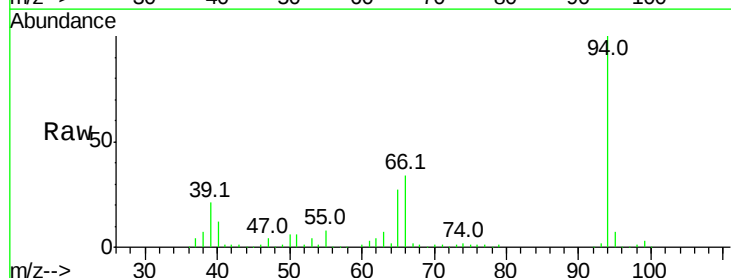
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#10
Phenol
Concen: 33.152 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion: 94 Resp: 241605
Ion Ratio Lower Upper
94 100
65 27.4 7.9 47.9
66 34.5 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 37.671 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

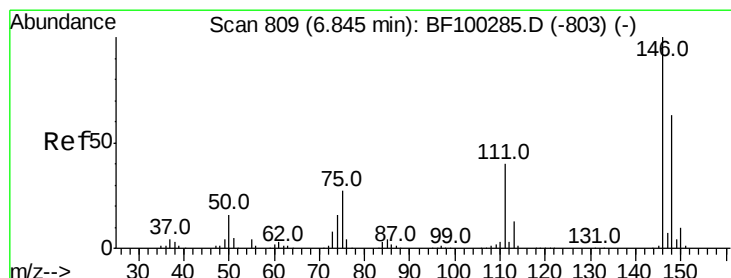
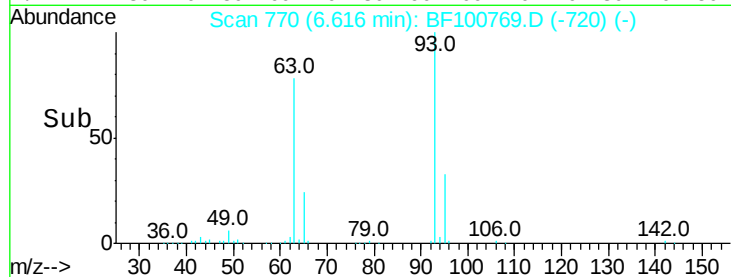
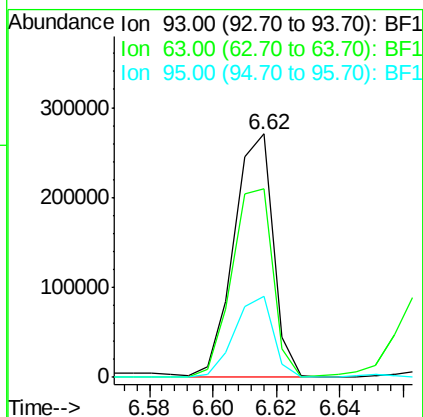
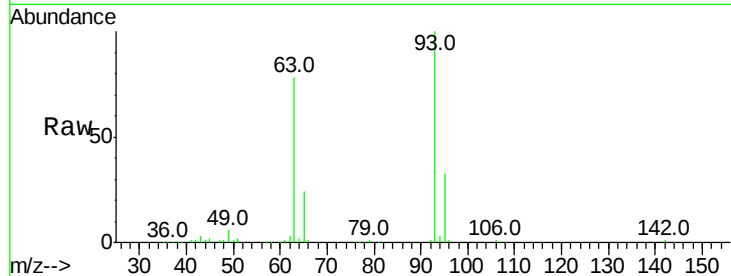
ClientSampleId :

OR-02-110617MSD

Tot Ion:	93	Resp:	230598
Ion Ratio	Lower	Upper	
93	100		
63	77.6	58.6	98.6
95	33.0	11.8	51.8

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#12

1,3-Dichlorobenzene

Concen: 41.295 ng

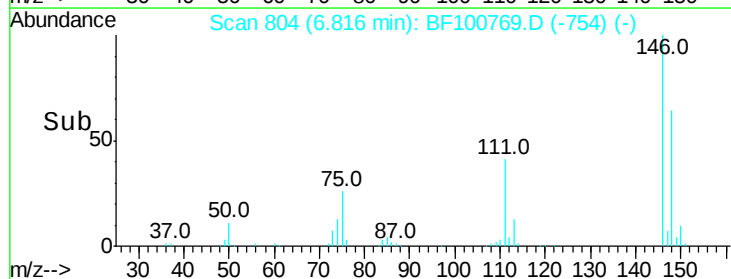
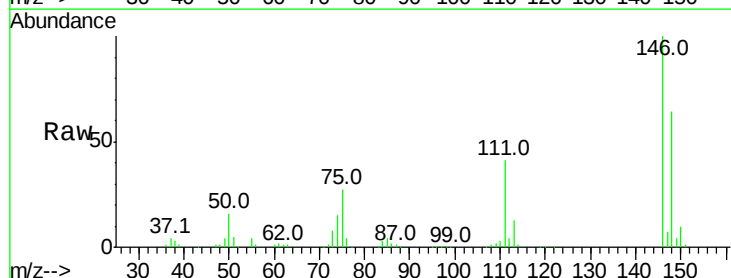
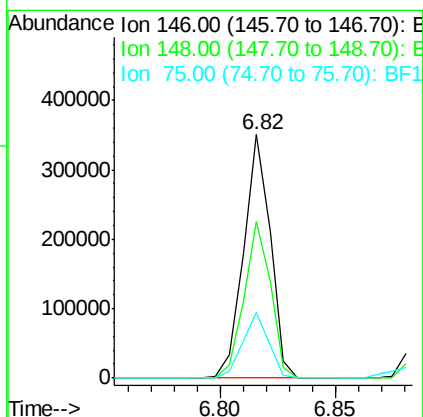
RT: 6.82 min Scan# 804

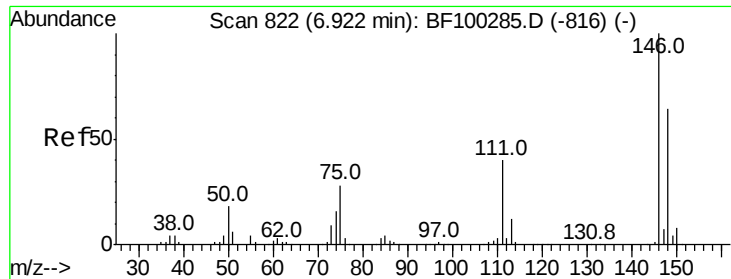
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	146	Resp:	283547
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.8	77.8
75	26.8	24.2	36.4





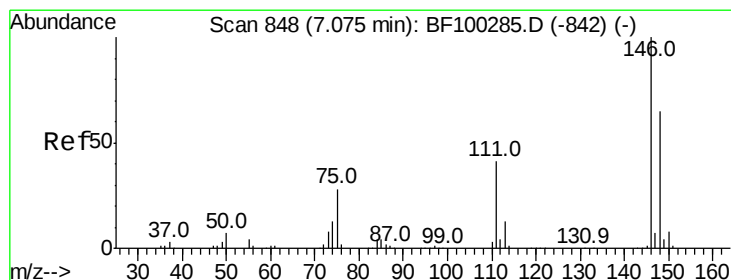
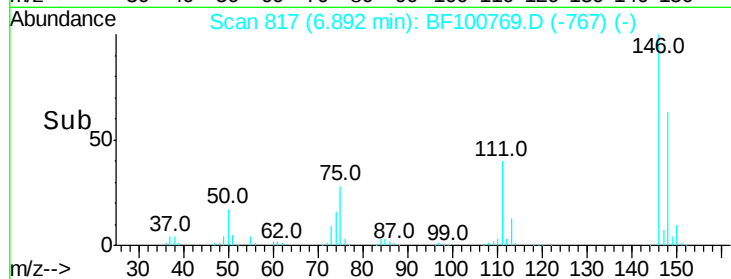
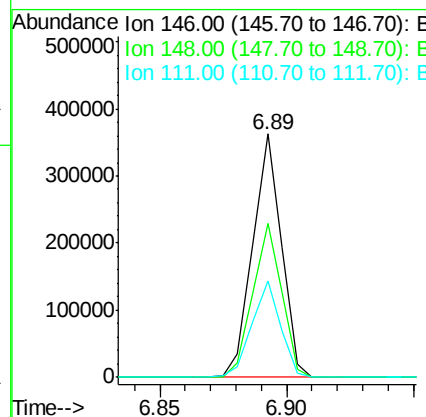
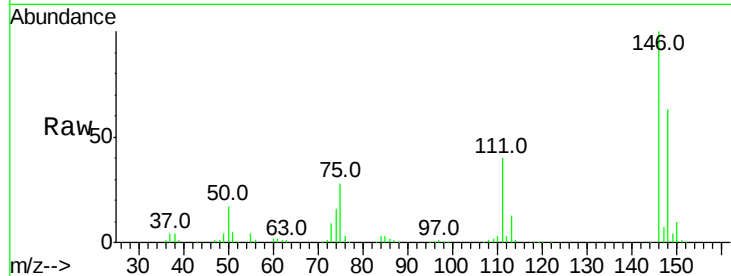
#13
 1,4-Dichlorobenzene
 Concen: 41.038 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	39.7	34.2	51.2

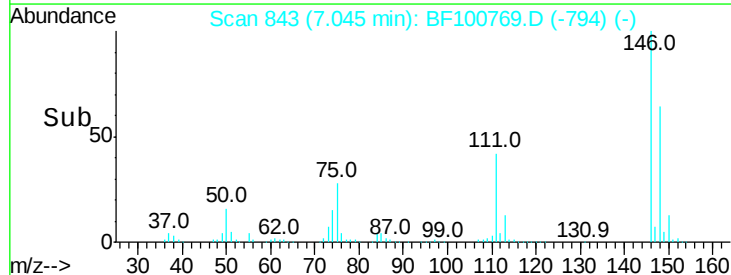
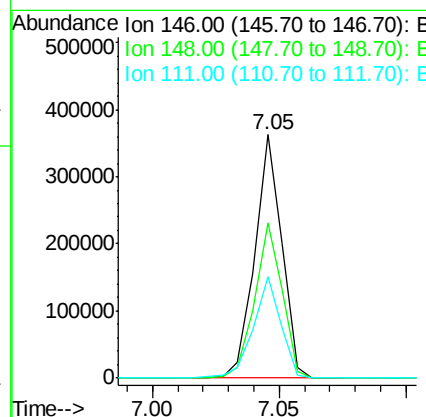
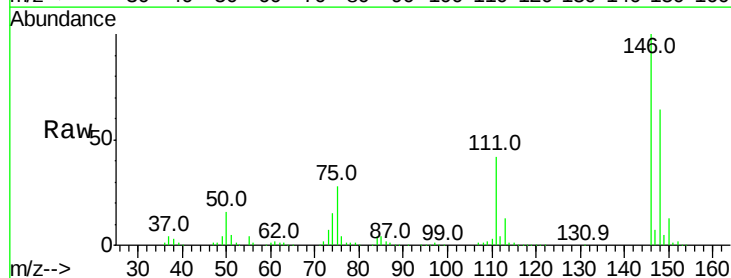
Manual Integrations
 APPROVED

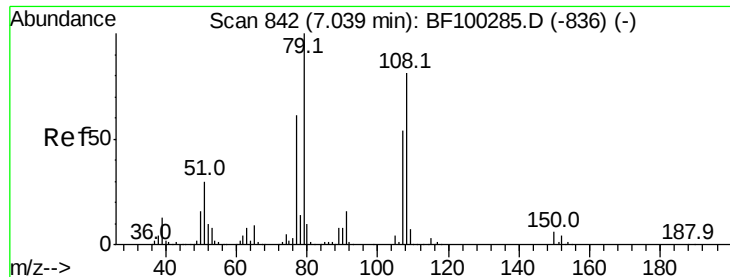
SOHIL
 11/21/2017 2:17:34 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.849 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
111	41.8	36.0	54.0





#15

Benzyl Alcohol

Concen: 38.622 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

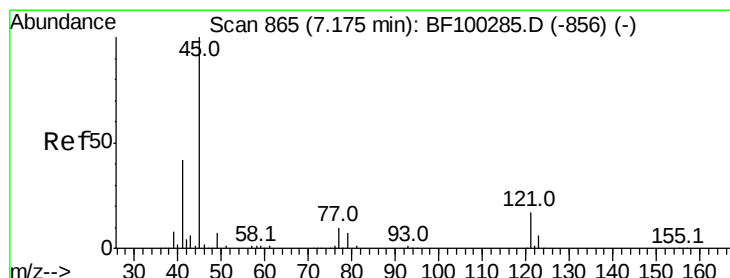
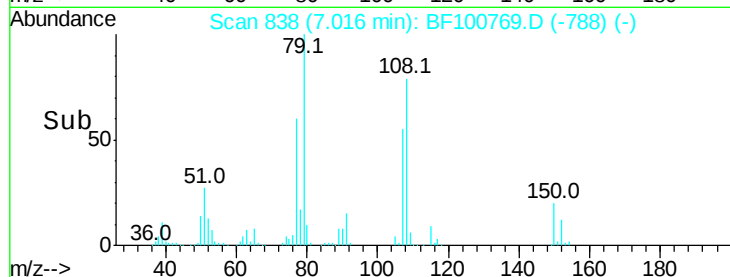
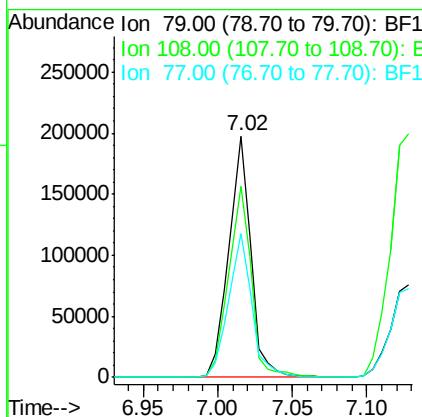
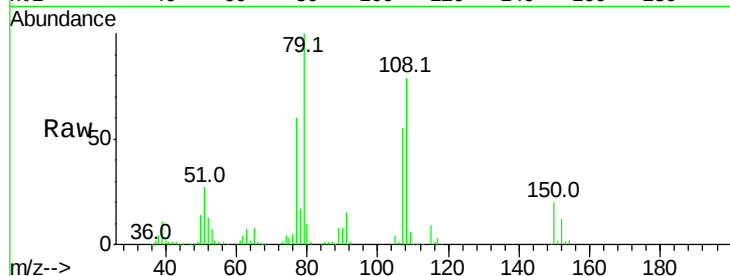
ClientSampleId :

OR-02-110617MSD

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
108	79.3	65.1	97.7	
77	59.6	50.6	75.8	

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.461 ng

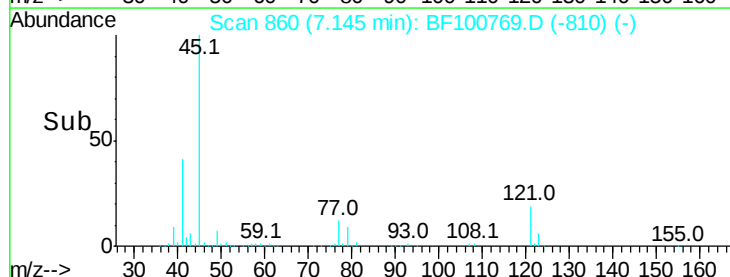
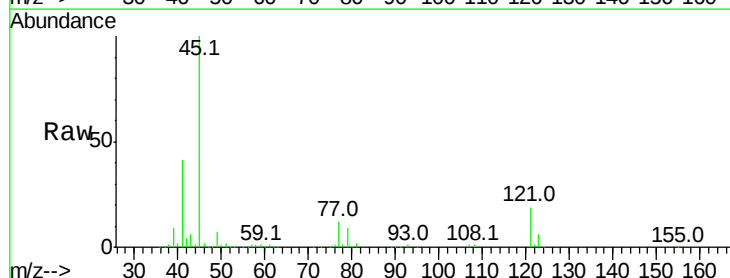
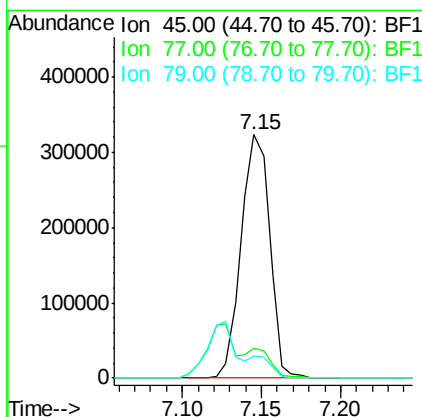
RT: 7.15 min Scan# 860

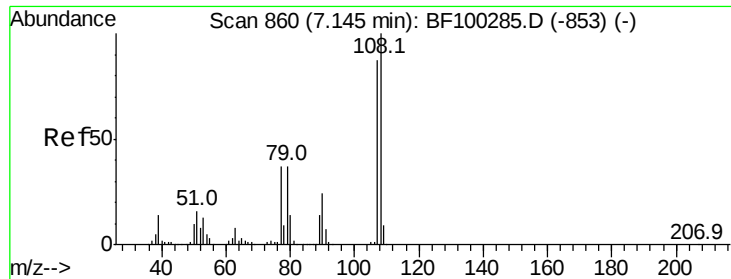
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
77	12.3	0.0	32.9	
79	9.3	0.0	29.6	





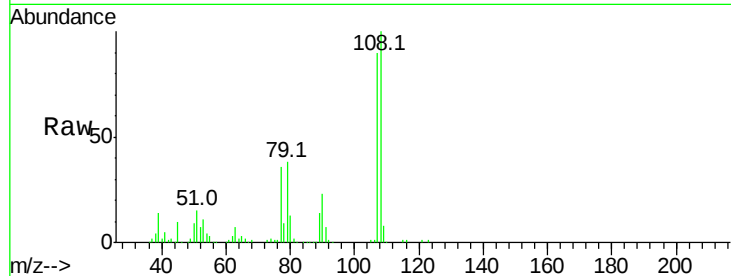
#17
2-Methylphenol
Concen: 39.679 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

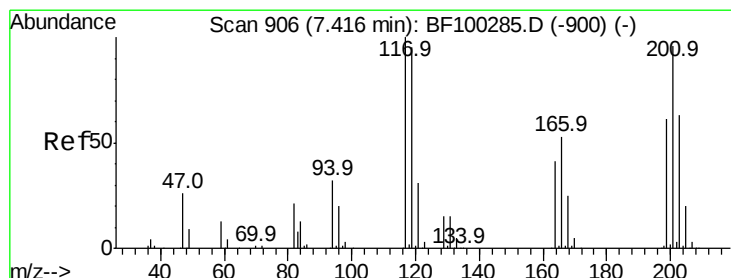
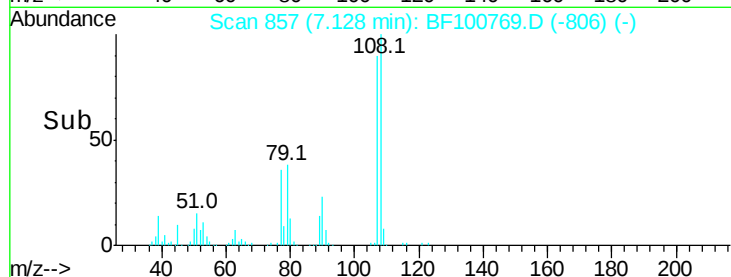
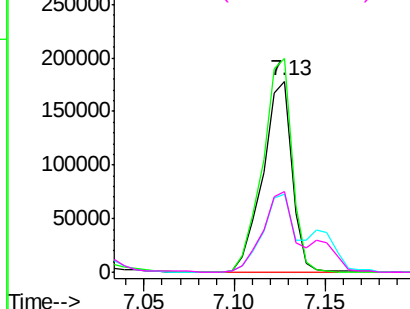
Tot Ion	107	Resp	201947
Ion Ratio	Lower	Upper	
107	100		
108	111.7	91.7	137.5
77	40.7	33.8	50.8
79	42.4	33.8	50.8

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM

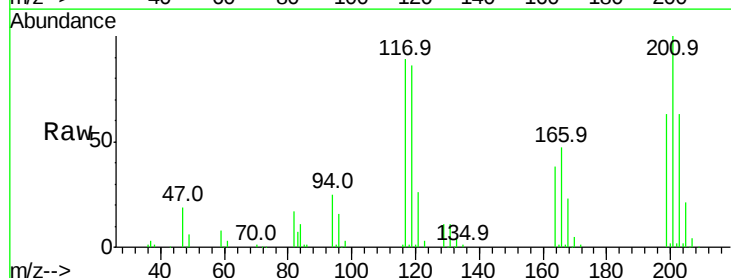


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

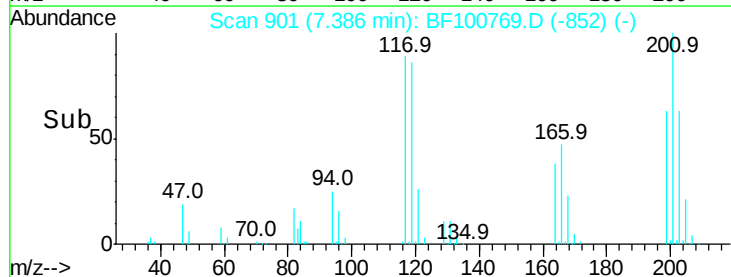
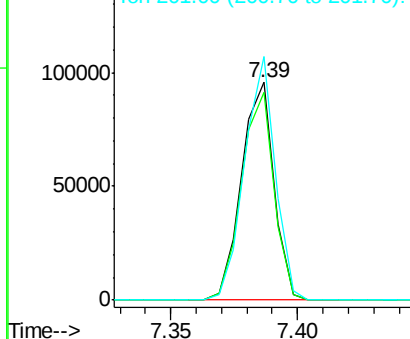


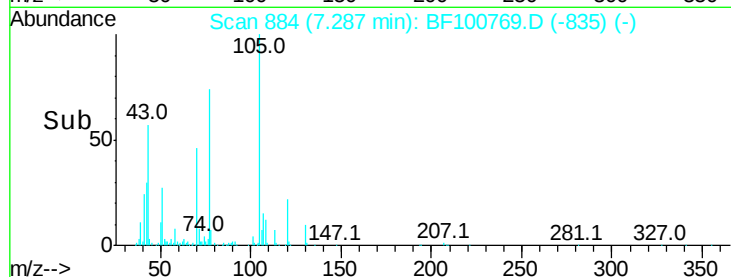
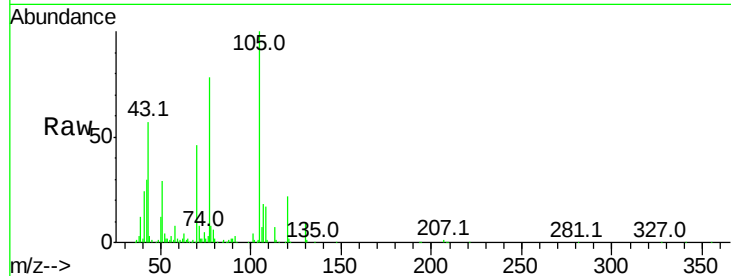
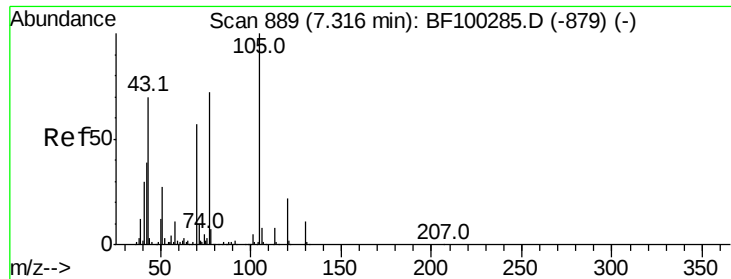
#18
Hexachloroethane
Concen: 37.114 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	117	Resp	85043
Ion Ratio	Lower	Upper	
117	100		
119	95.6	75.8	113.8
201	111.7	75.7	113.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





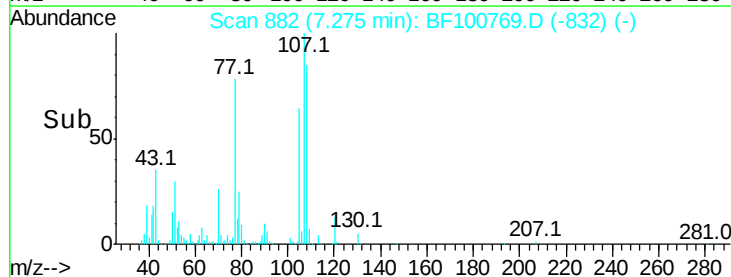
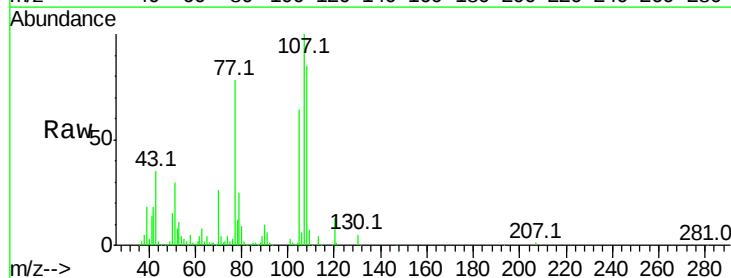
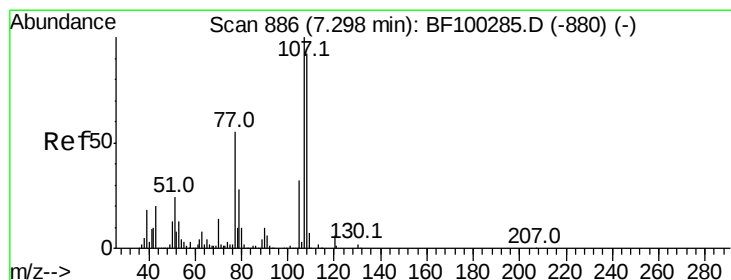
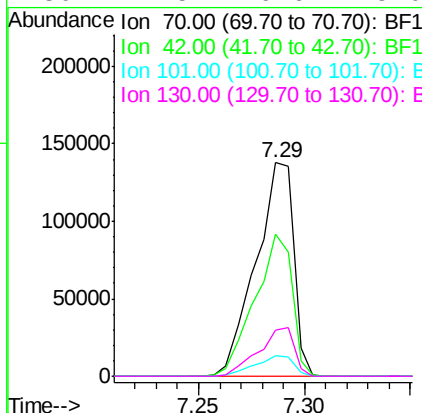
#19
n-Nitroso-di-n-propylamine
Concen: 35.697 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.4	47.5	71.3
101	9.7	7.4	11.2
130	21.5	16.6	25.0

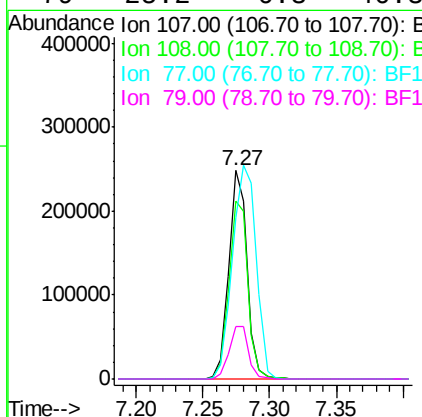
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#20
3+4-Methylphenols
Concen: 37.457 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.2	68.2	108.2
77	77.6	26.7	66.7#
79	25.2	6.3	46.3





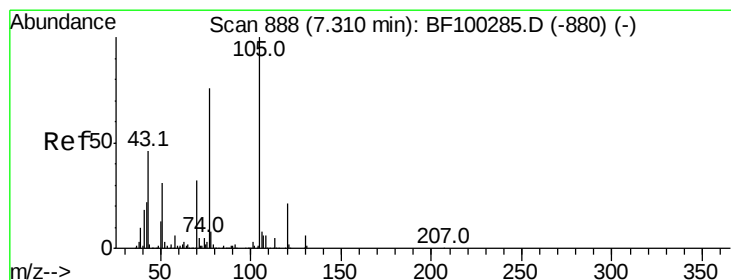
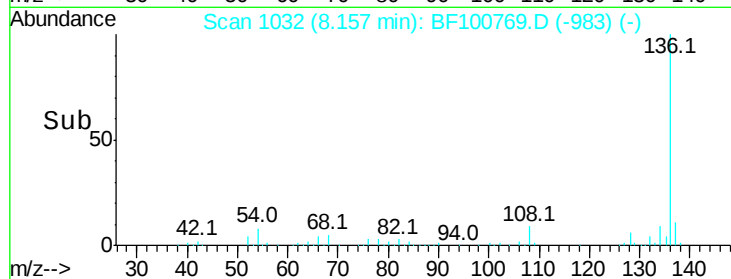
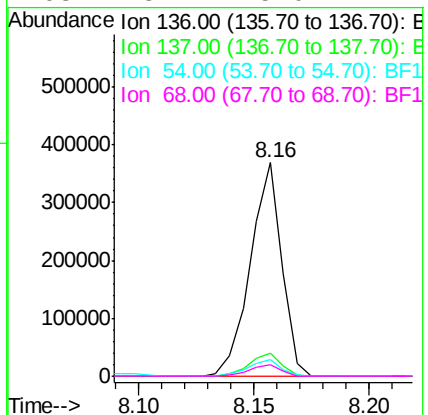
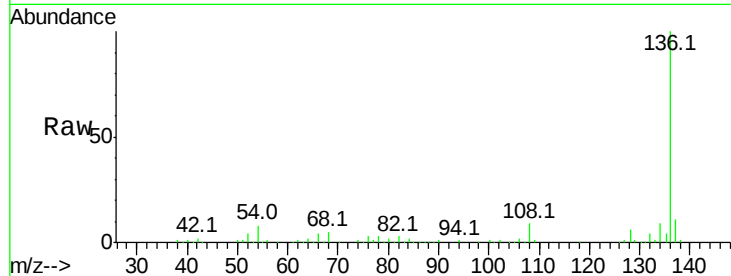
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	7.9	6.6	9.8	
68	5.2	5.0	7.4	

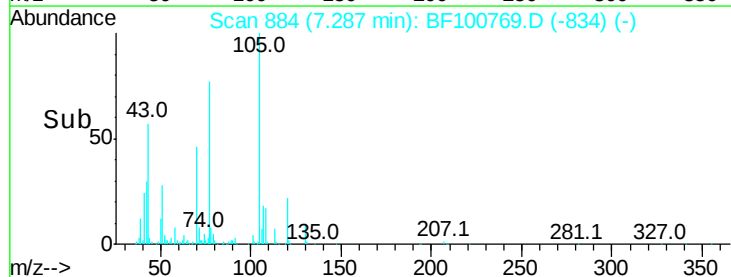
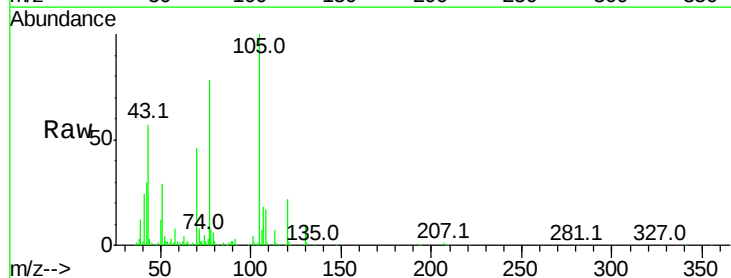
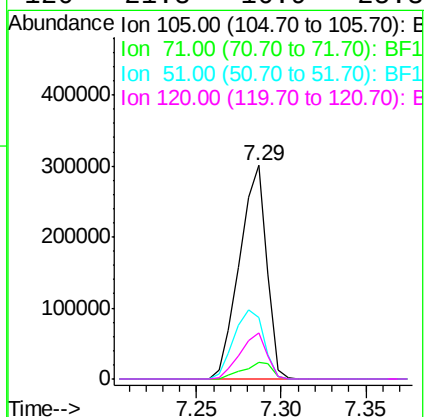
Manual Integrations
APPROVED

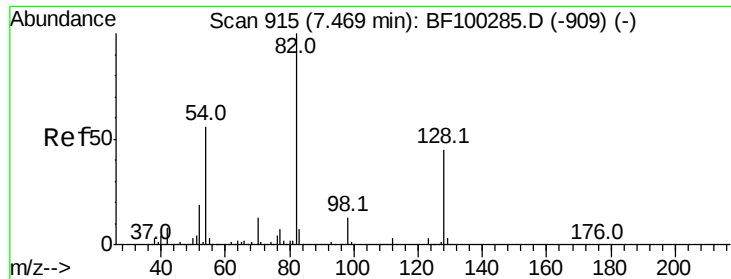
SOHIL
11/21/2017 2:17:34 PM



#22
Acetophenone
Concen: 39.613 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.7	4.4	6.6#	
51	28.5	22.3	33.5	
120	21.8	16.9	25.3	





#23

Nitrobenzene-d5

Concen: 91.994 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

ClientSampleId :

OR-02-110617MSD

Tot Ion: 82 Resp: 487856

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

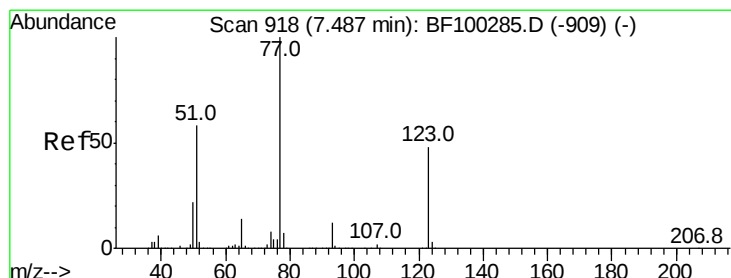
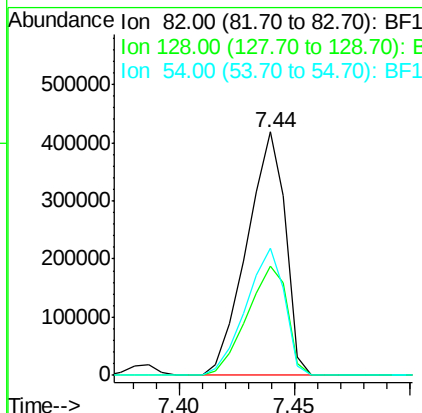
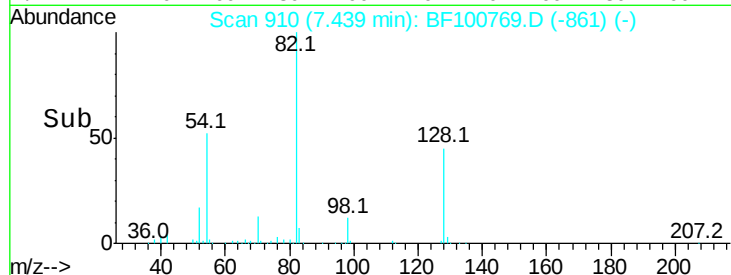
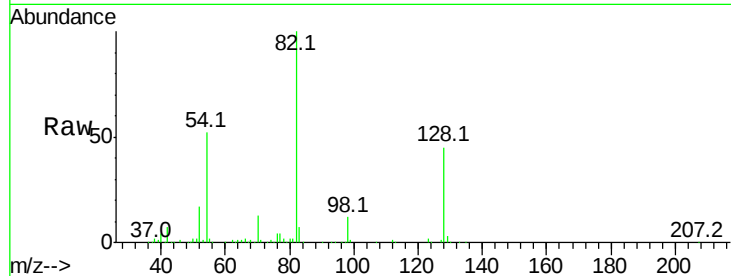
54 52.1 41.4 62.2

Manual Integrations

APPROVED

SOHIL

11/21/2017 2:17:34 PM



#24

Nitrobenzene

Concen: 46.528 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

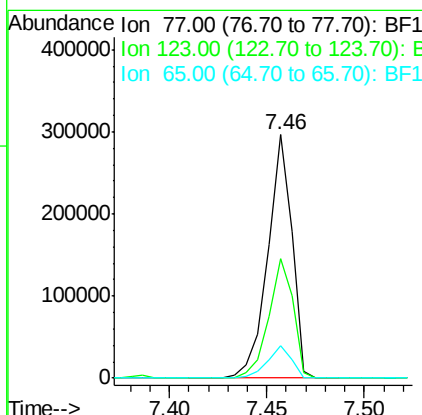
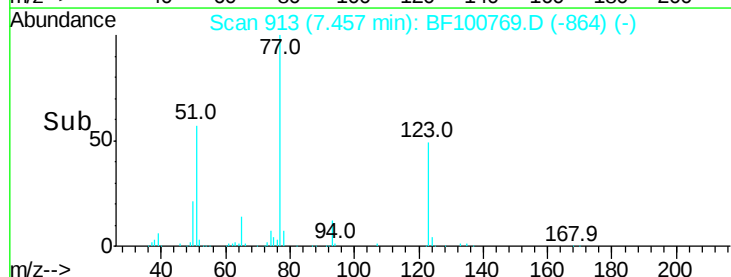
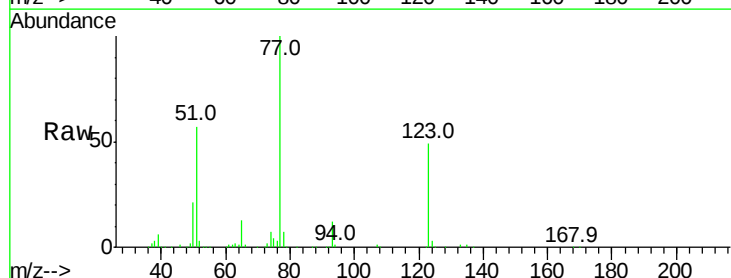
Tgt Ion: 77 Resp: 253965

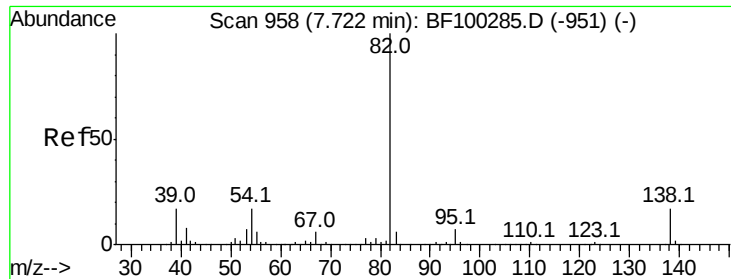
Ion Ratio Lower Upper

77 100

123 48.9 37.9 56.9

65 13.4 11.0 16.4





#25

Isophorone

Concen: 41.491 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

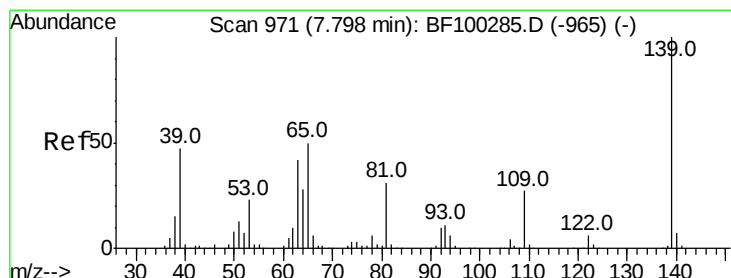
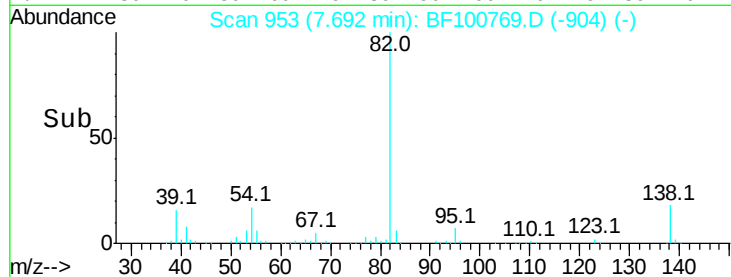
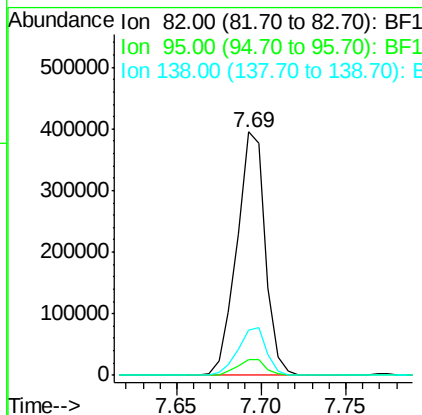
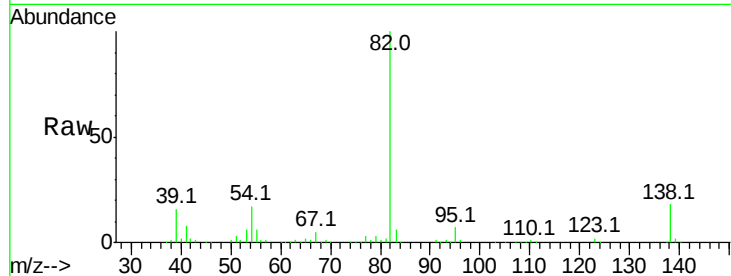
ClientSampleId :

OR-02-110617MSD

Tot Ion:	82	Resp:	462382
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.2	7.8
138	18.4	14.9	22.3

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#26

2-Nitrophenol

Concen: 48.588 ng

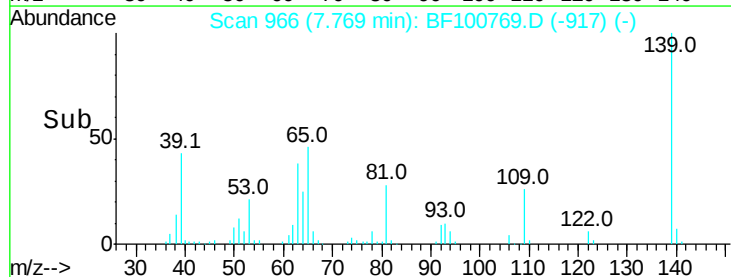
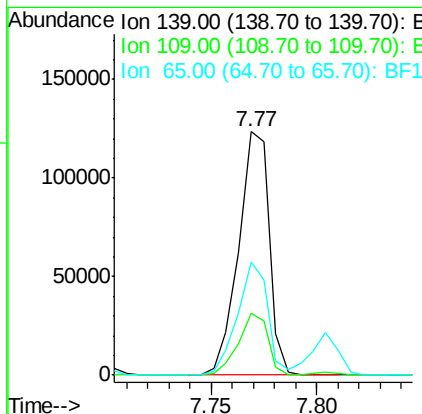
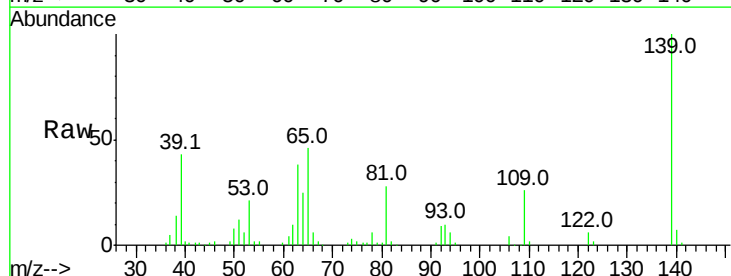
RT: 7.77 min Scan# 966

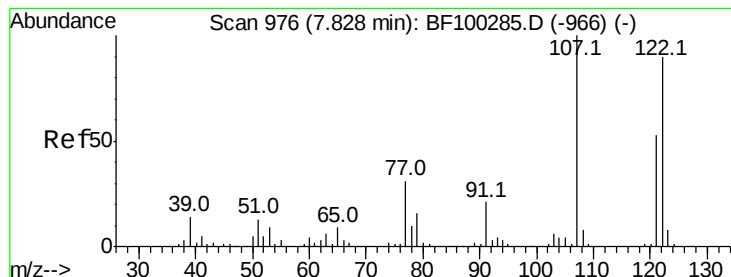
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	139	Resp:	124533
Ion Ratio	Lower	Upper	
139	100		
109	25.6	22.7	34.1
65	46.3	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 44.684 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

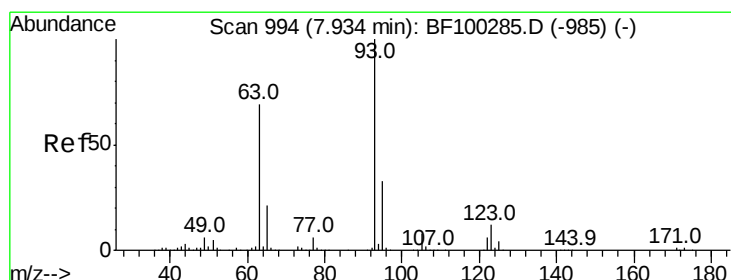
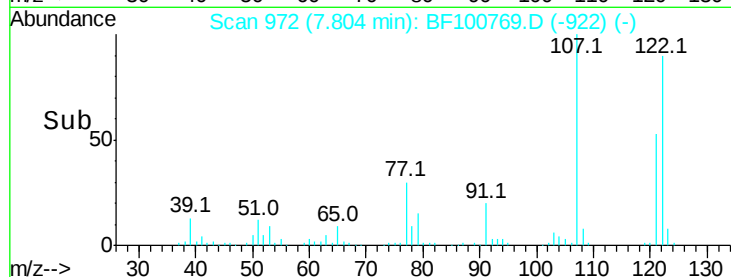
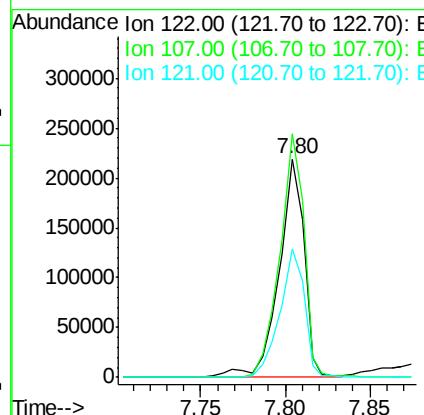
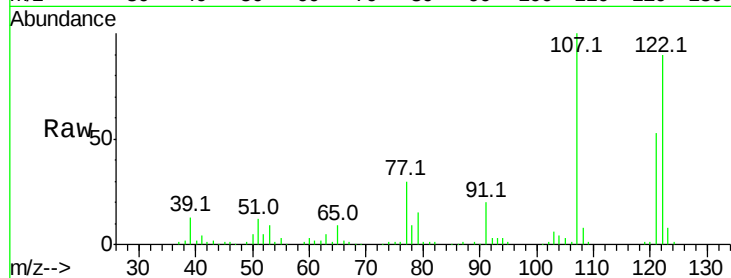
ClientSampleId :

OR-02-110617MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		223225		
107	111.5	91.2	136.8		
121	58.9	47.2	70.8		

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#28

bis(2-Chloroethoxy)methane

Concen: 40.726 ng

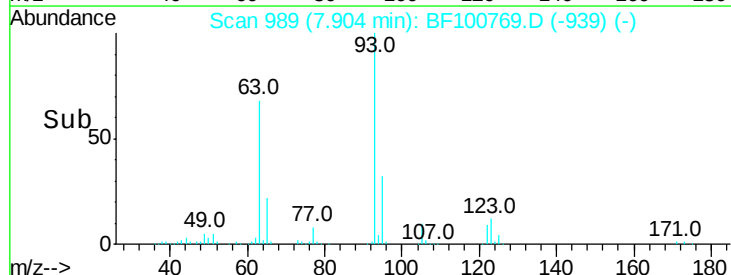
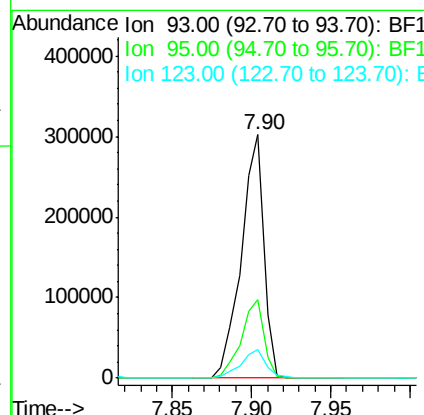
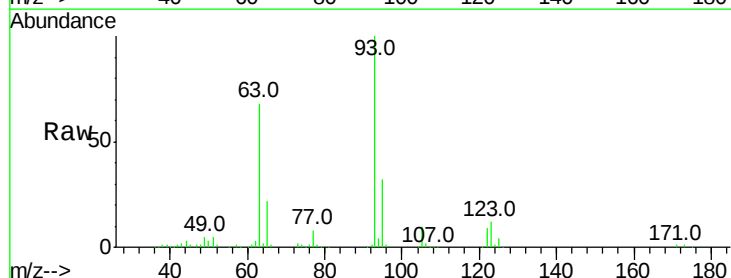
RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		296871		
95	32.4	26.3	39.5		
123	11.8	9.8	14.6		





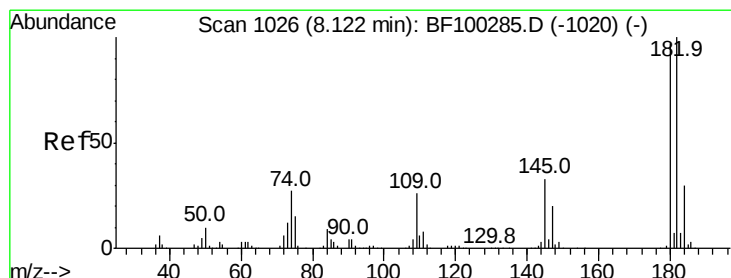
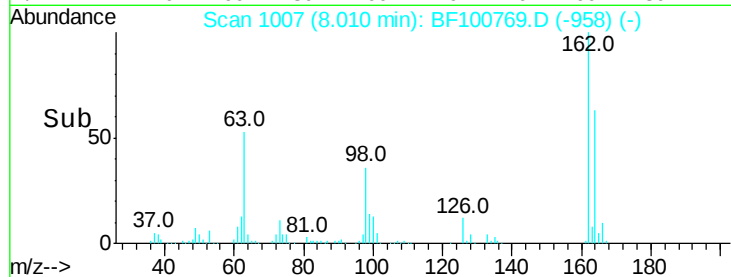
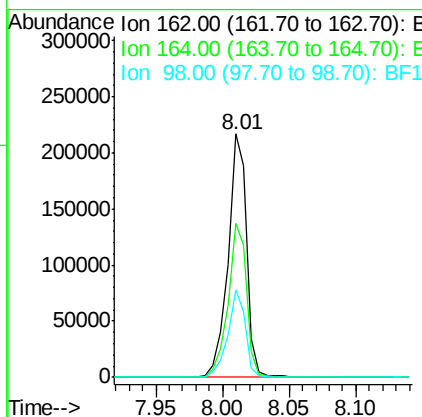
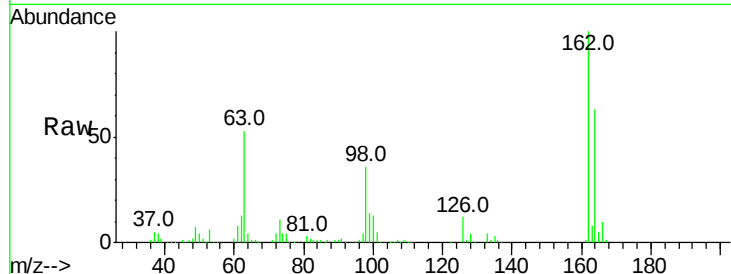
#29
2,4-Dichlorophenol
Concen: 44.599 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	212698		
164	63.4	42.7	82.7	
98	35.7	18.1	58.1	

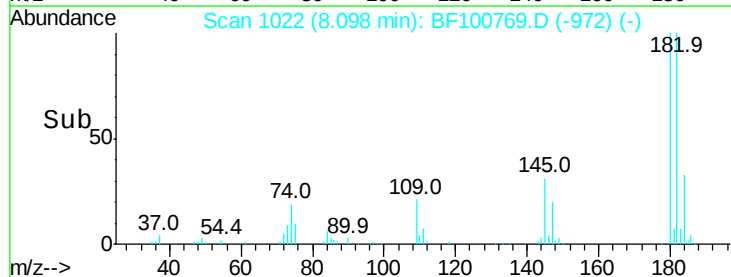
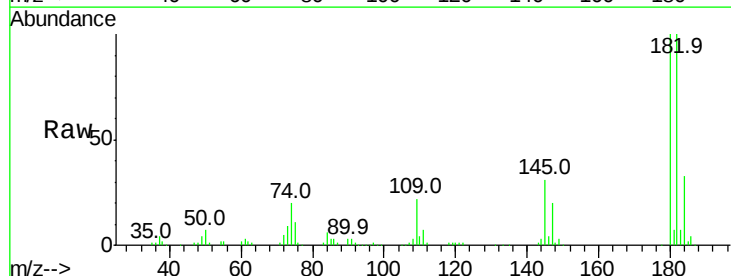
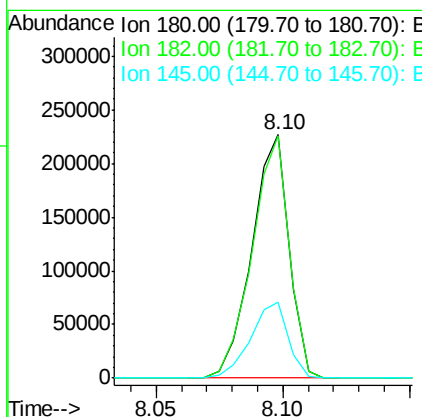
Manual Integrations
APPROVED

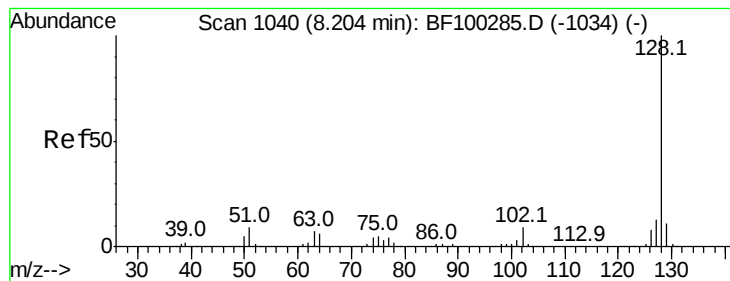
SOHIL
11/21/2017 2:17:34 PM



#30
1,2,4-Trichlorobenzene
Concen: 44.596 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	230062		
182	99.7	76.8	115.2	
145	31.4	26.5	39.7	





#31

Naphthalene

Concen: 54.605 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

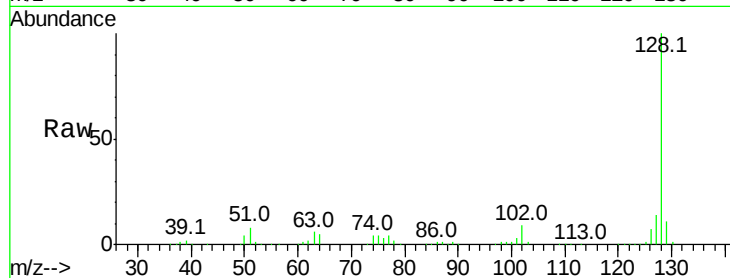
ClientSampleId :

OR-02-110617MSD

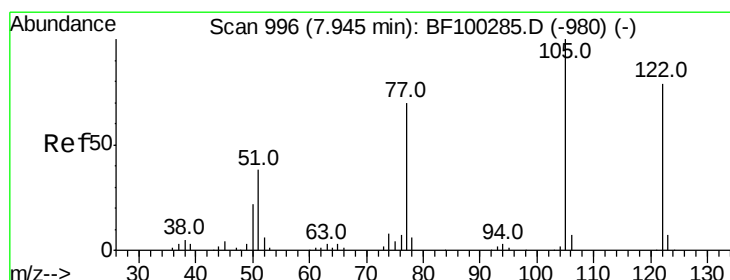
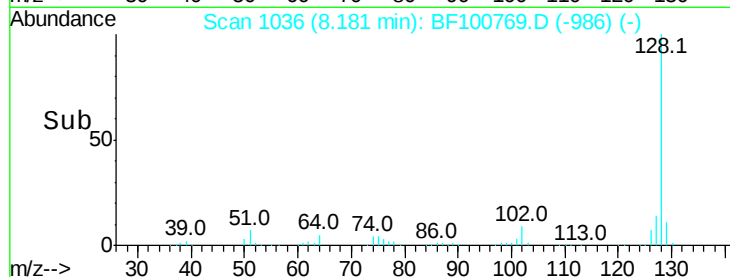
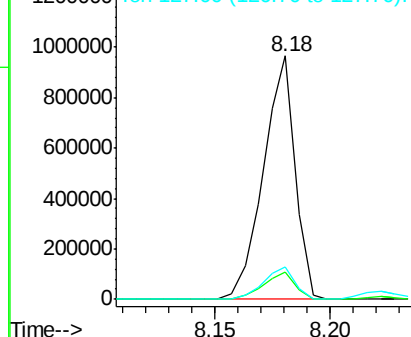
Tot Ion:	128	Resp:	922130
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.5	10.9	16.3

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



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: 32.093 ng

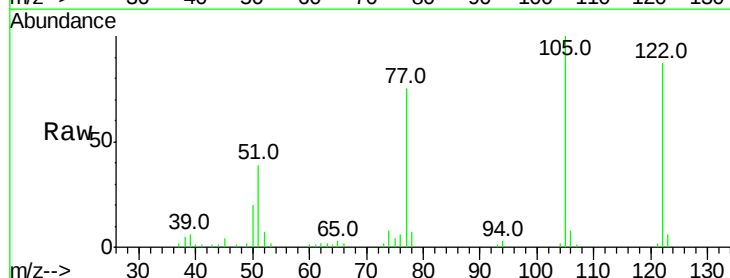
RT: 7.92 min Scan# 992

Delta R.T. -0.01 min

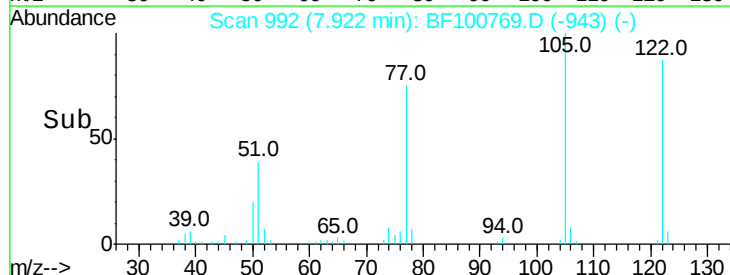
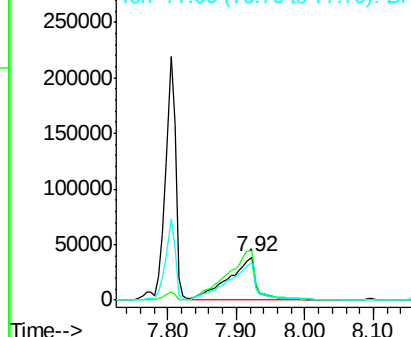
Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	122	Resp:	108009
Ion Ratio	Lower	Upper	
122	100		
105	115.0	101.1	141.1
77	86.6	70.7	110.7



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): BF1





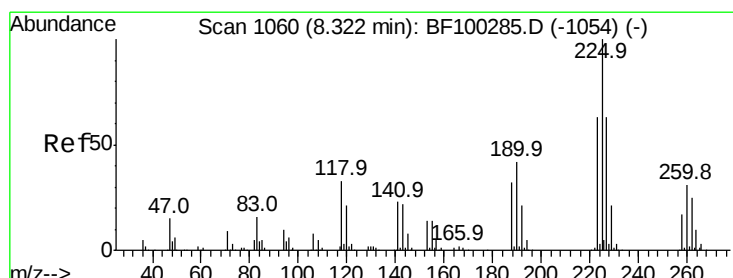
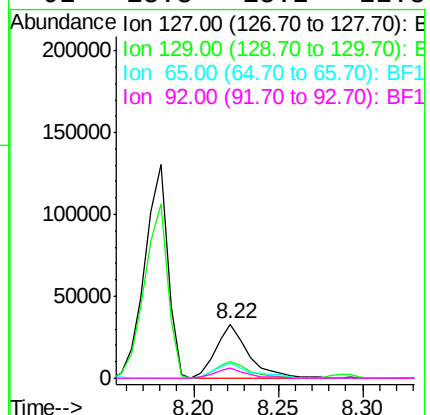
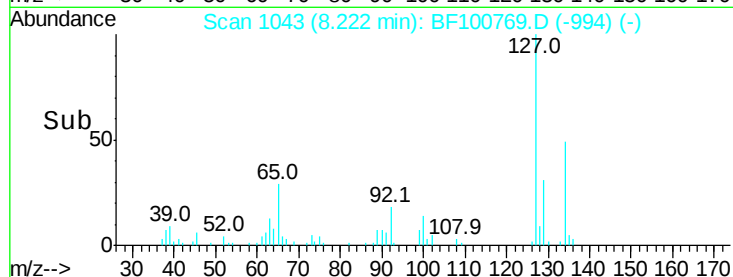
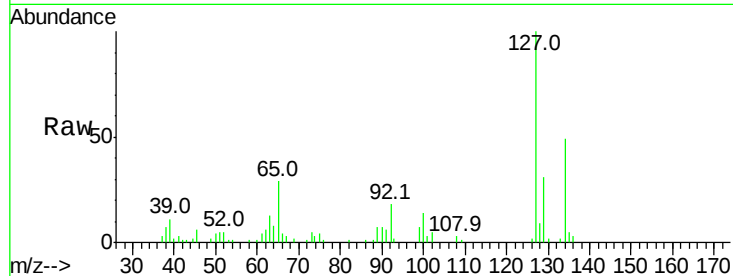
#33
4-Chloroaniline
Concen: 6.323 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	29.2	25.0	37.4
92	18.3	15.2	22.8

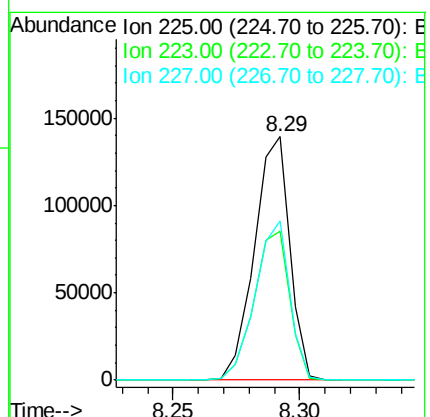
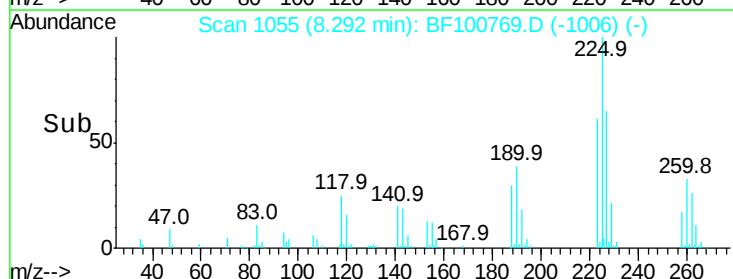
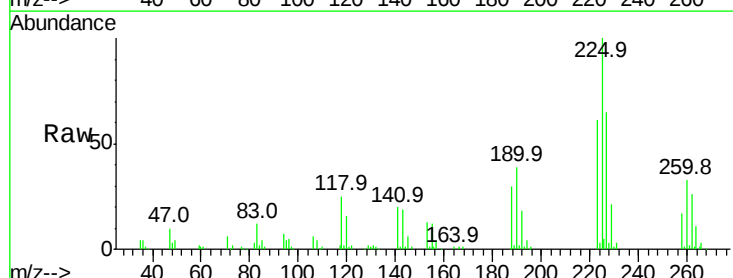
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#34
Hexachlorobutadiene
Concen: 44.270 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.6	76.0
227	65.3	51.9	77.9





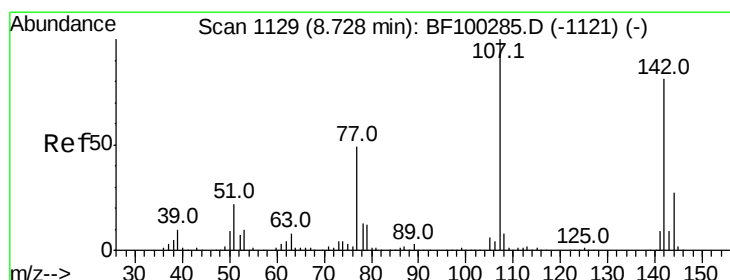
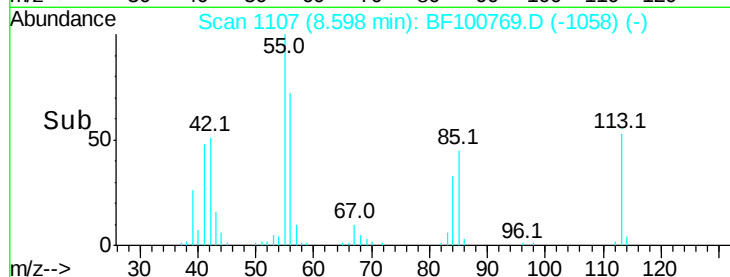
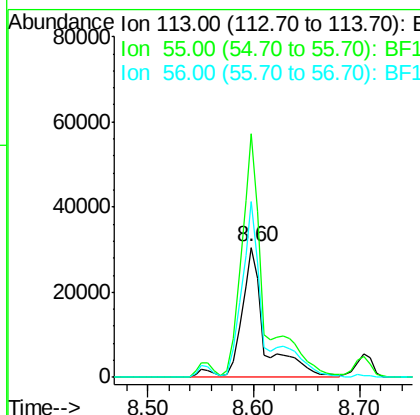
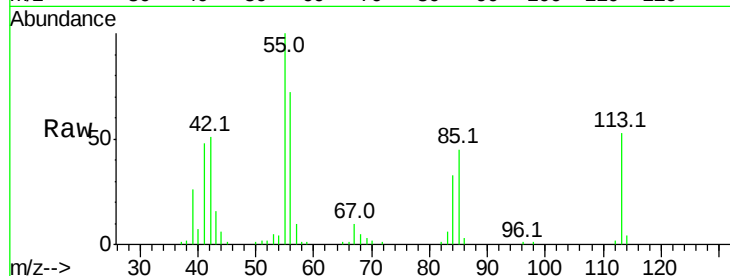
#35
Caprolactam
Concen: 29.374 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	187.5	163.3	203.3
56	135.0	115.7	155.7

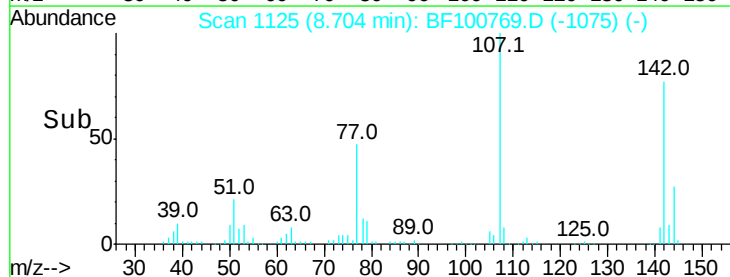
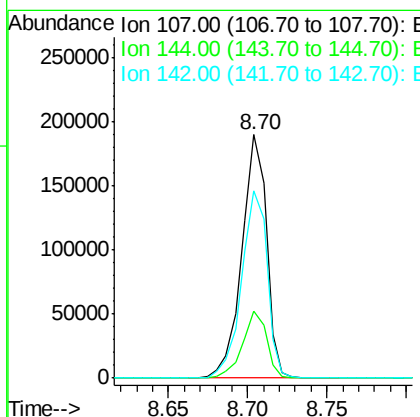
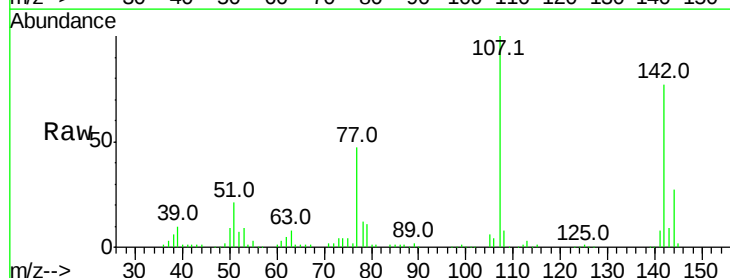
Manual Integrations
APPROVED

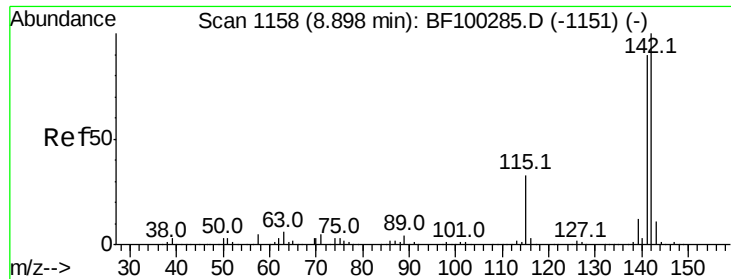
SOHIL
11/21/2017 2:17:34 PM



#36
4-Chloro-3-methylphenol
Concen: 40.107 ng/ml
RT: 8.70 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.4	20.5	30.7
142	76.8	62.0	93.0





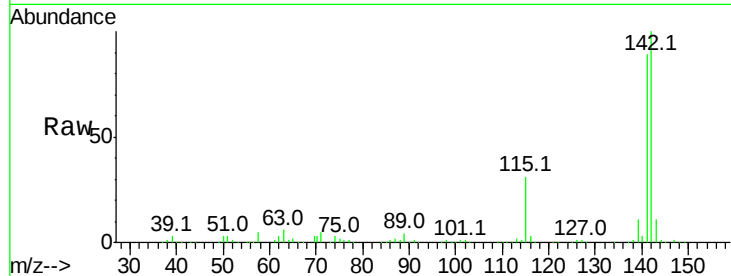
#37
2-Methylnaphthalene
Concen: 44.241 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

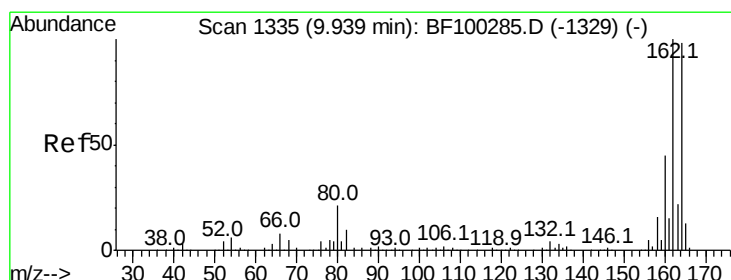
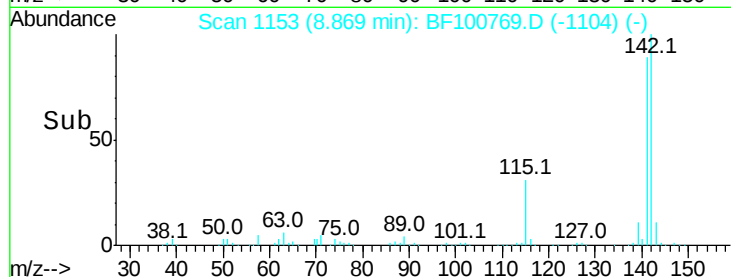
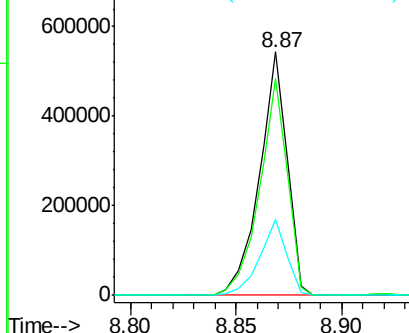
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	31.2	26.1	39.1

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



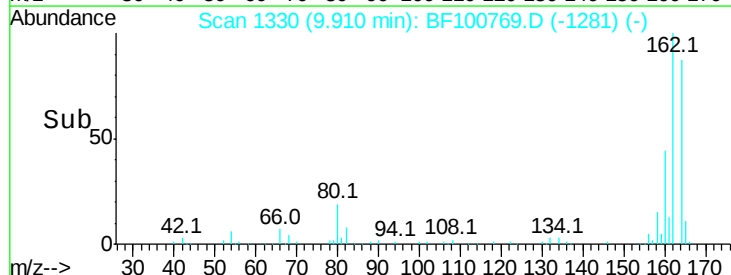
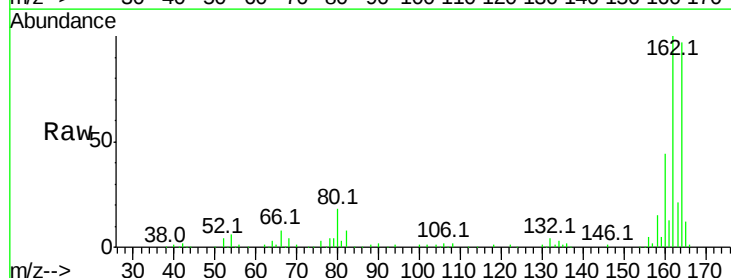
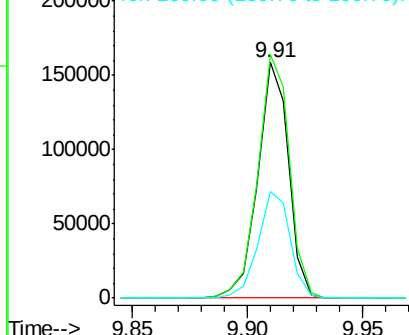
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	45.4	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.569 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

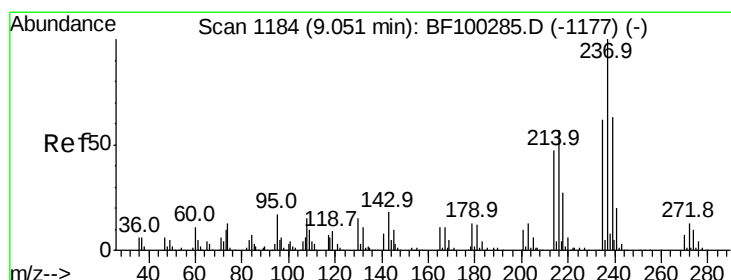
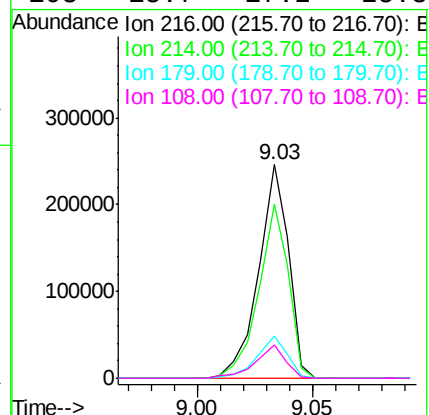
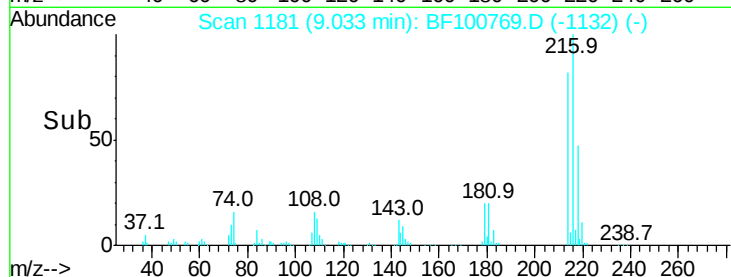
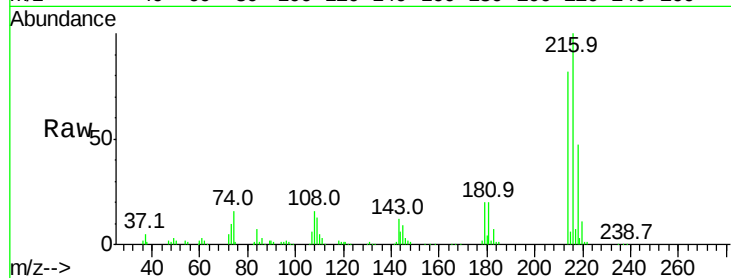
ClientSampleId :

OR-02-110617MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	81.4	63.0	94.4
179	19.9	18.1	27.1
108	15.7	17.2	25.8#

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#40

Hexachlorocyclopentadiene

Concen: 28.162 ng

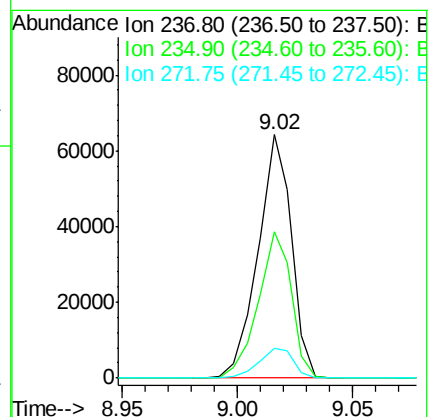
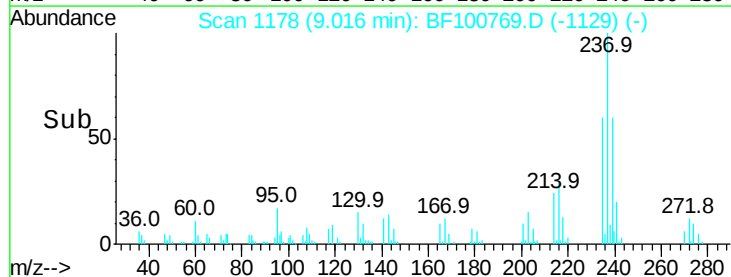
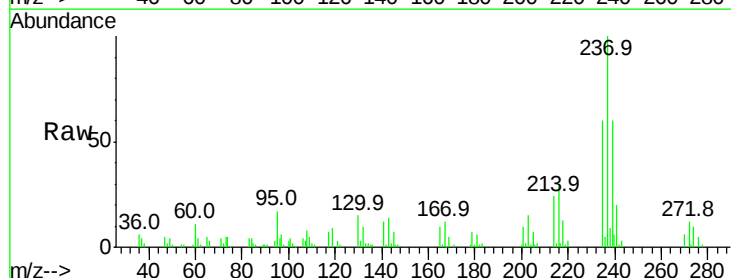
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	60.1	44.8	84.8
272	12.3	0.0	33.3





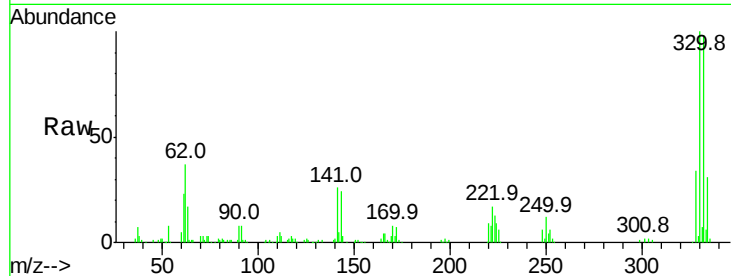
#41
 2,4,6-Tribromophenol
 Concen: 112.932 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.0	115.6	
141	28.9	29.9	44.9	

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM

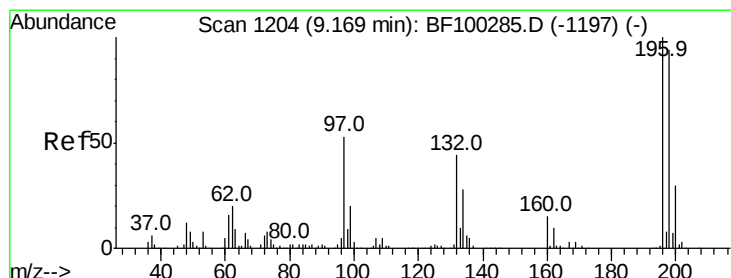
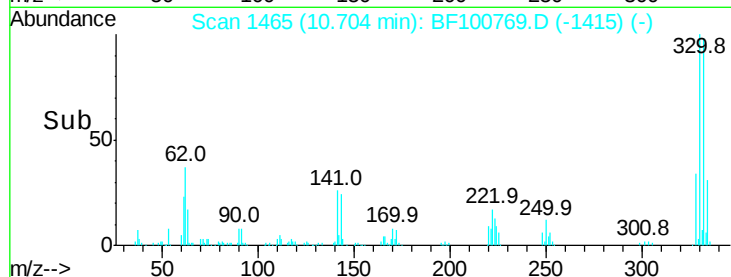
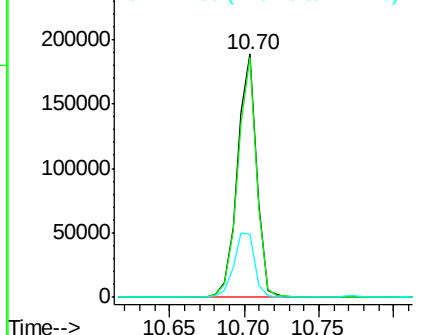


Abundance

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: 47.400 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

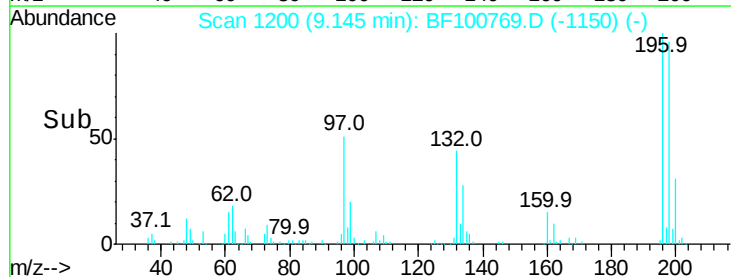
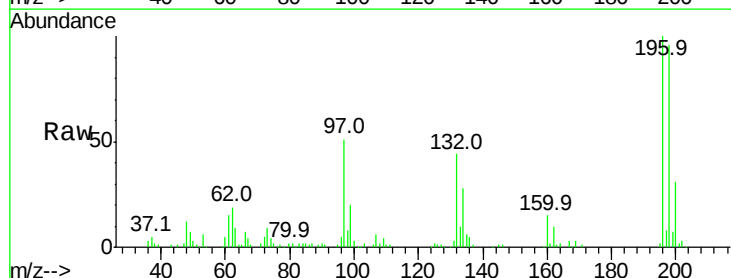
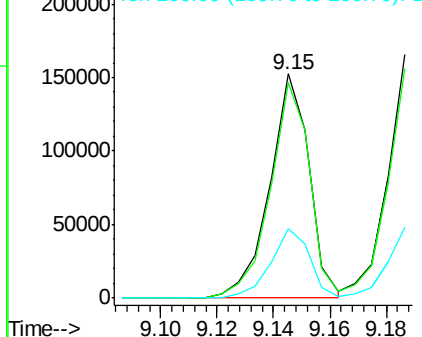
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.0	75.7	113.5	
200	31.1	24.5	36.7	

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





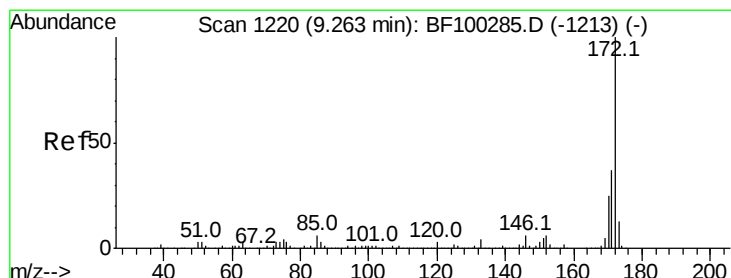
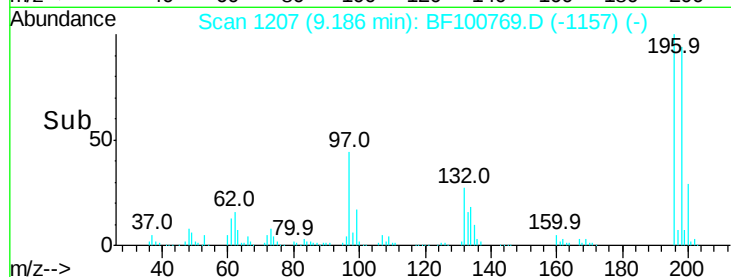
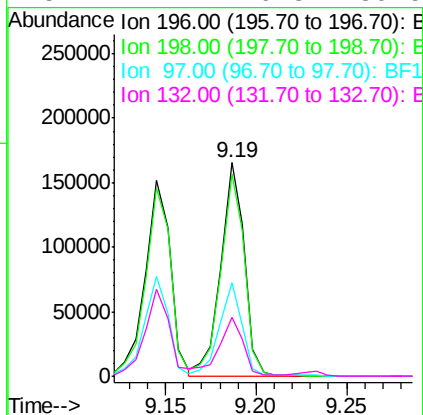
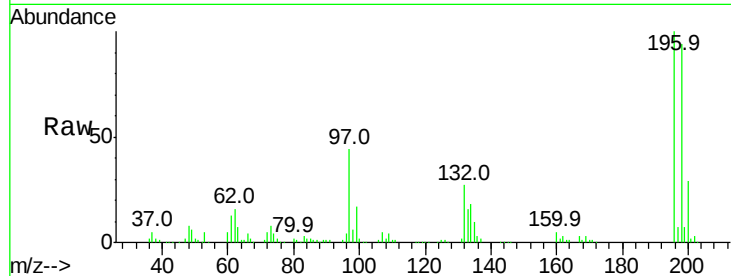
#43
 2,4,5-Trichlorophenol
 Concen: 46.871 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	150611		
198	94.5	74.6	112.0	
97	43.8	42.9	64.3	
132	27.4	26.3	39.5	

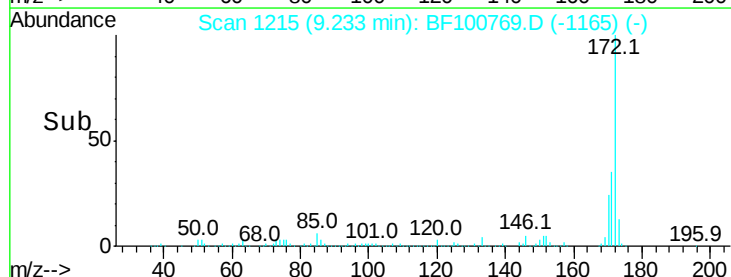
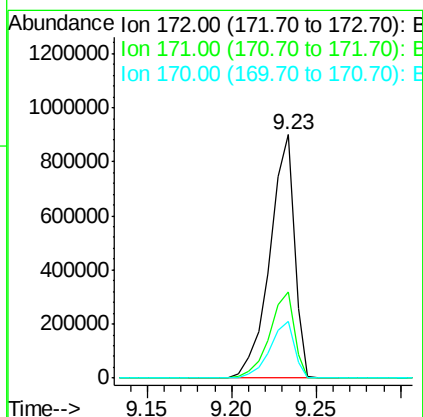
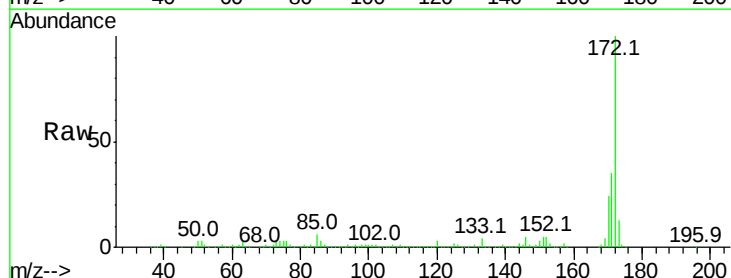
Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM



#44
 2-Fluorobiphenyl
 Concen: 93.134 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	902469		
171	35.5	29.7	44.5	
170	23.5	19.6	29.4	





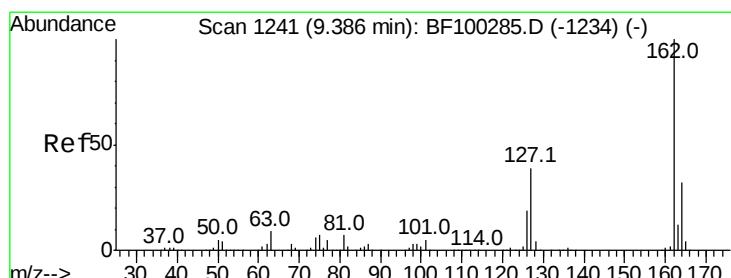
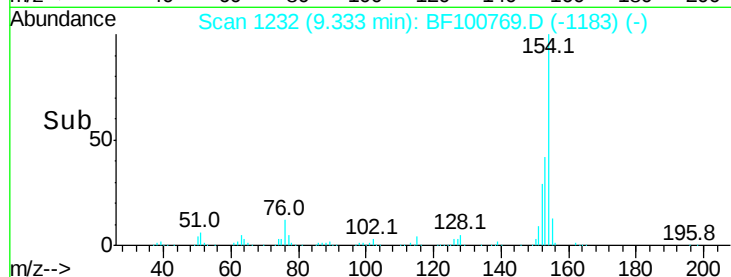
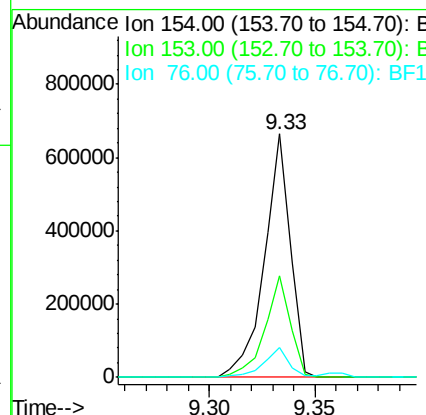
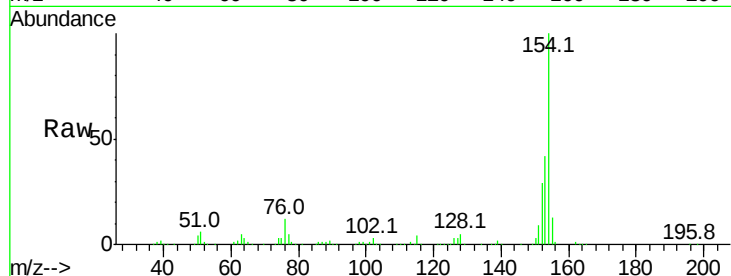
#45
 1,1'-Biphenyl
 Concen: 44.536 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.8	21.3	61.3	
76	12.3	0.0	34.0	

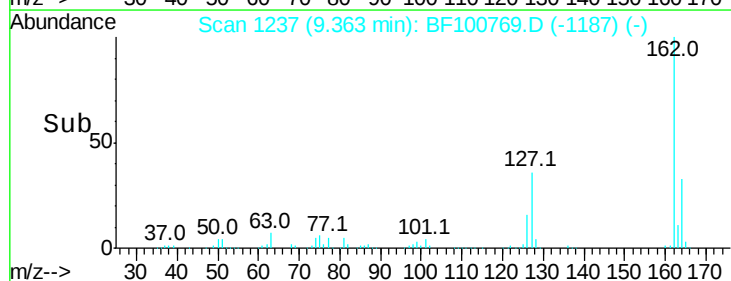
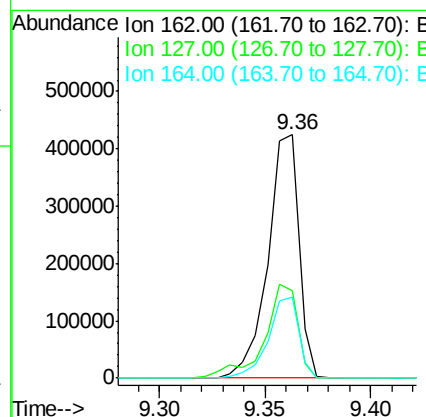
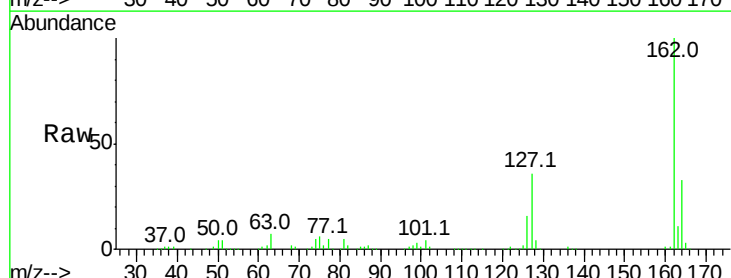
Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM



#46
 2-Chloronaphthalene
 Concen: 47.071 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	35.8	33.9	50.9	
164	33.4	26.5	39.7	





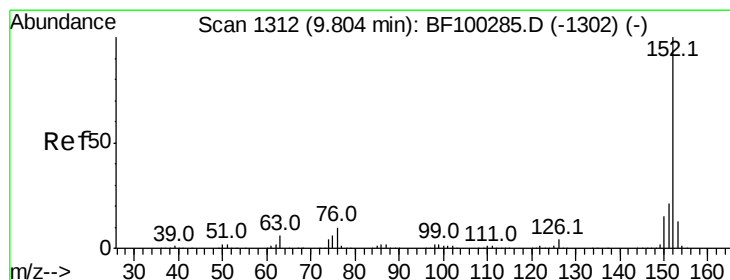
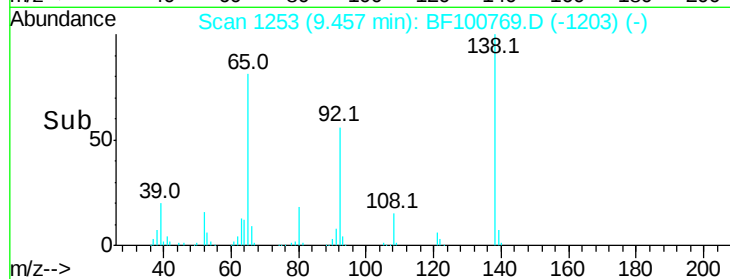
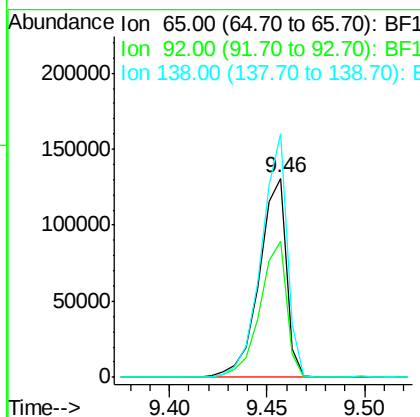
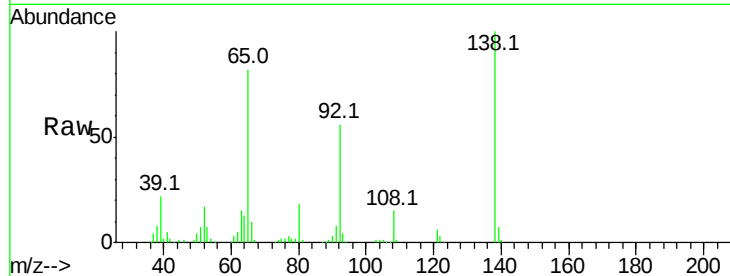
#47
2-Nitroaniline
Concen: 46.160 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	68.3	55.8	83.6
138	122.1	91.2	136.8

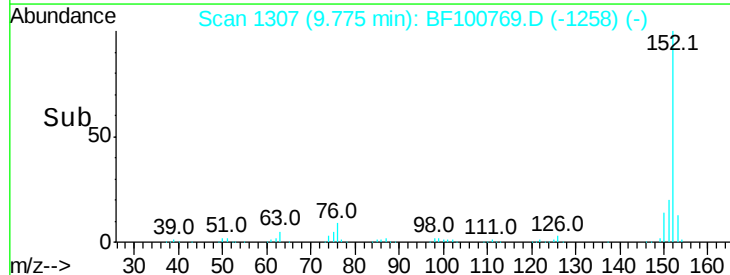
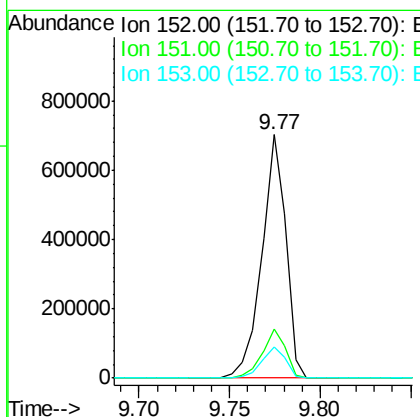
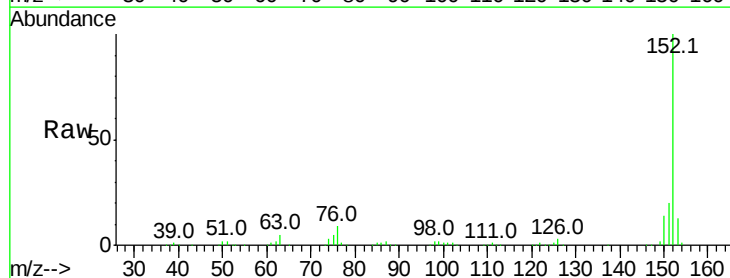
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#48
Acenaphthylene
Concen: 42.244 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.0	10.7	16.1





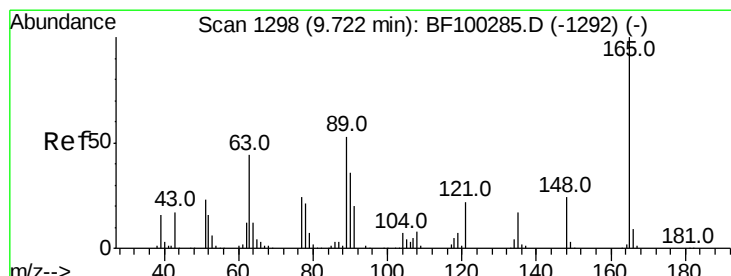
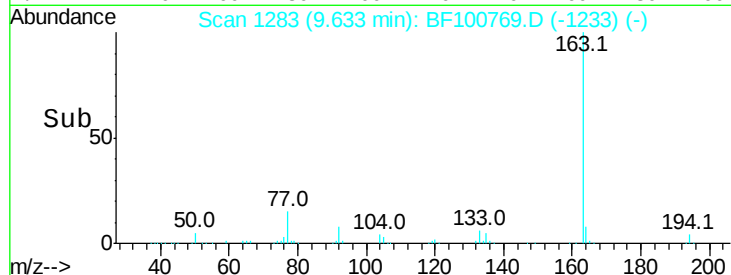
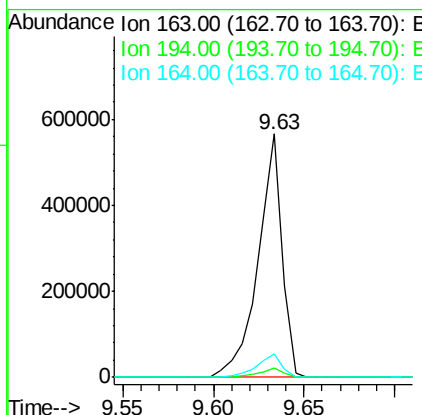
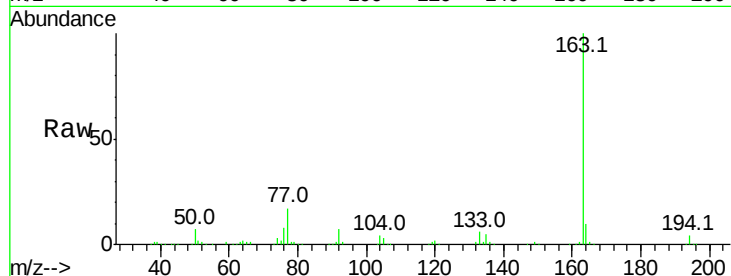
#49
 Dimethylphthalate
 Concen: 46.294 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	521537		
194	3.7		2.7	4.1
164	9.7		8.2	12.2

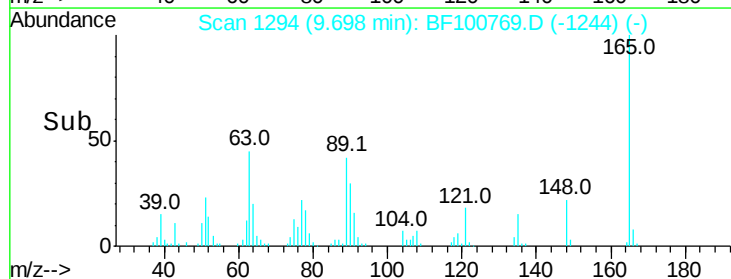
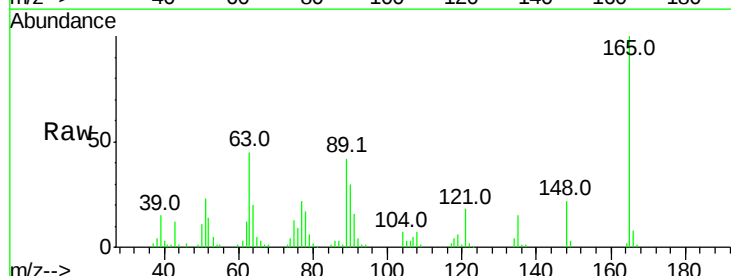
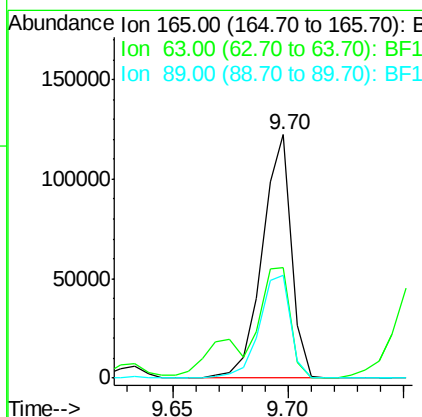
Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM



#50
 2,6-Dinitrotoluene
 Concen: 48.213 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	107514		
63	45.5		44.7	67.1
89	42.4		44.0	66.0#





#51

Acenaphthene

Concen: 41.498 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

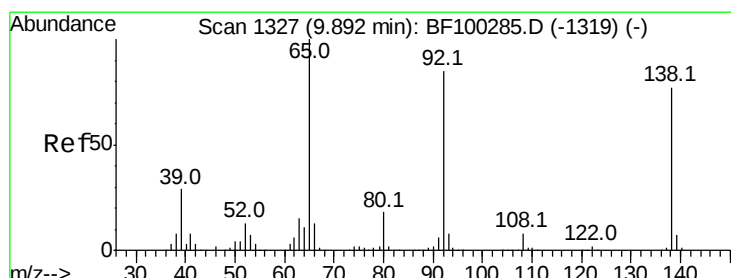
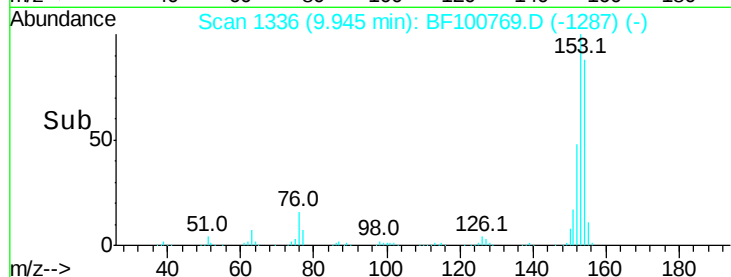
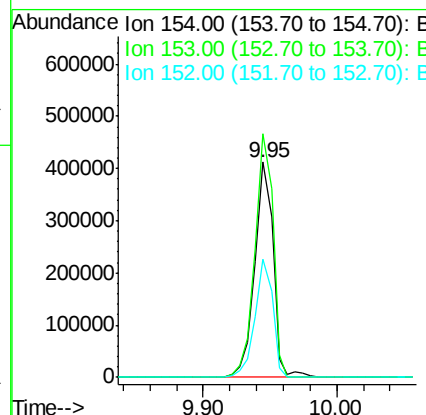
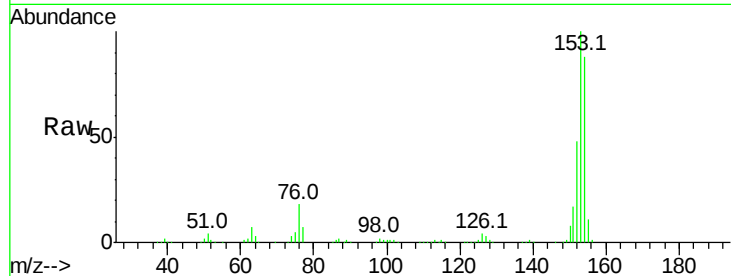
ClientSampleId :

OR-02-110617MSD

Tot Ion:	154	Resp:	387224
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	54.7	43.8	65.8

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#52

3-Nitroaniline

Concen: 19.906 ng

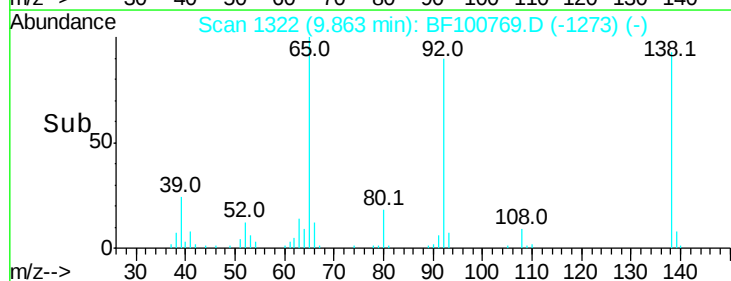
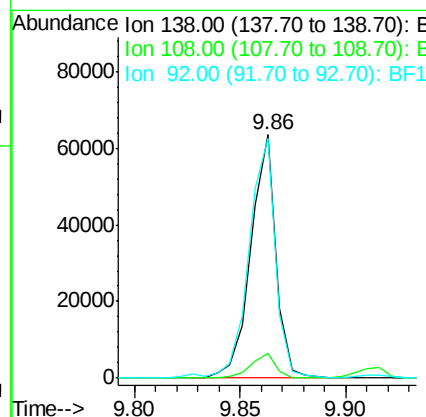
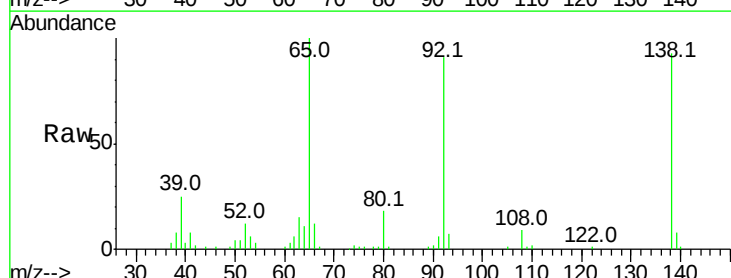
RT: 9.86 min Scan# 1322

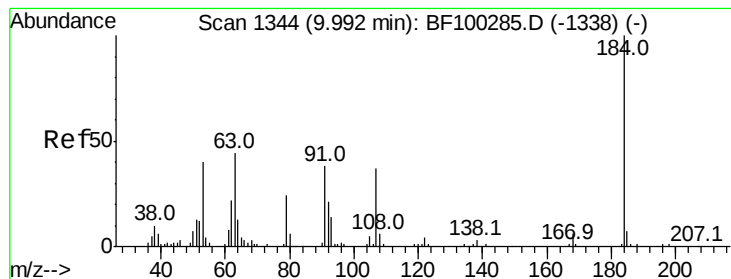
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	138	Resp:	52418
Ion Ratio	Lower	Upper	
138	100		
108	10.0	9.4	14.0
92	98.3	89.4	134.2





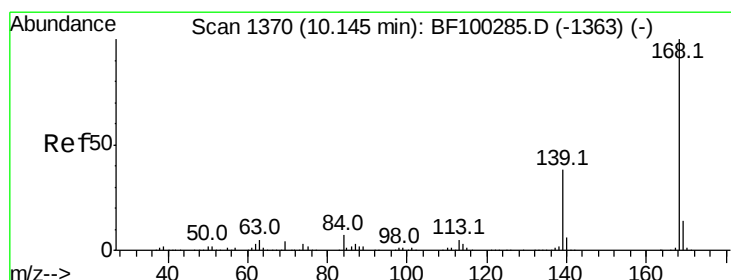
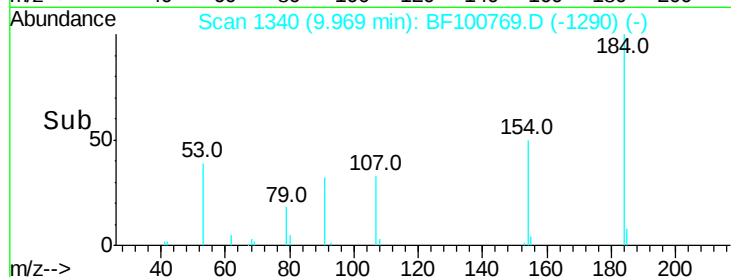
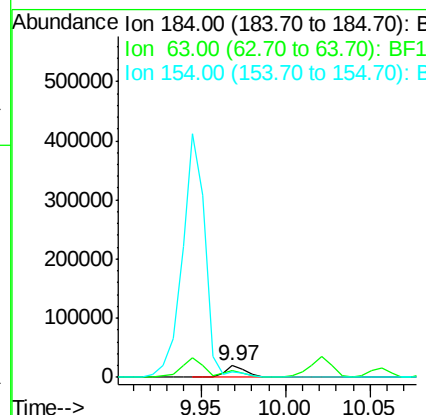
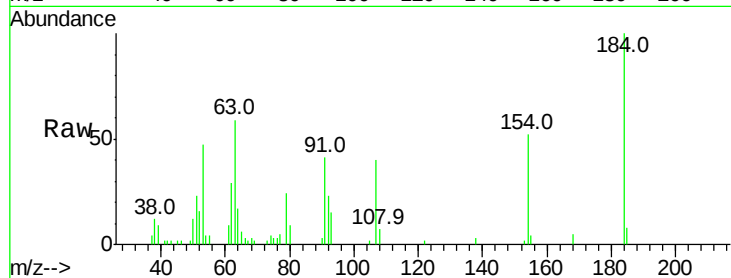
#53
 2,4-Dinitrophenol
 Concen: 29.692 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	59.0	54.2	81.2
154	52.4	184.0	276.0#

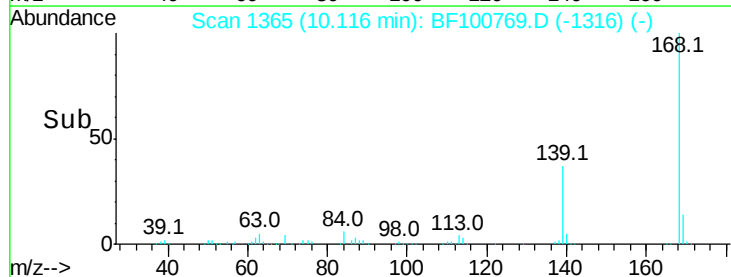
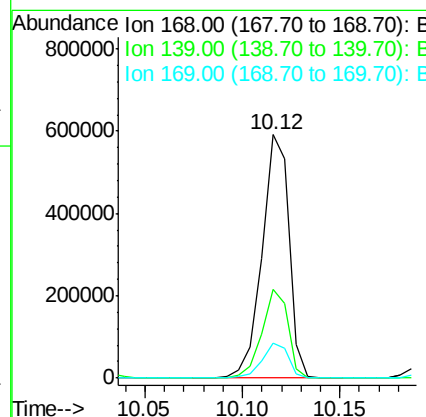
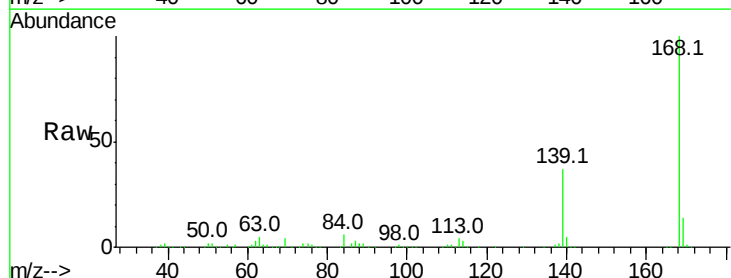
Manual Integrations
 APPROVED

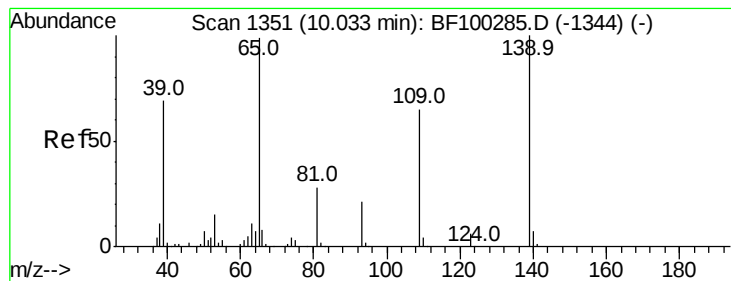
SOHIL
 11/21/2017 2:17:34 PM



#54
 Dibenzofuran
 Concen: 43.135 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	14.5	10.9	16.3





#55

4-Nitrophenol

Concen: 61.670 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

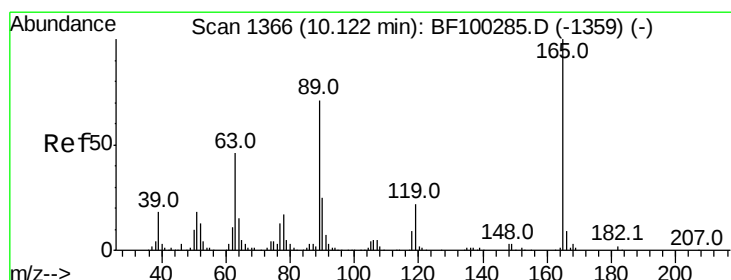
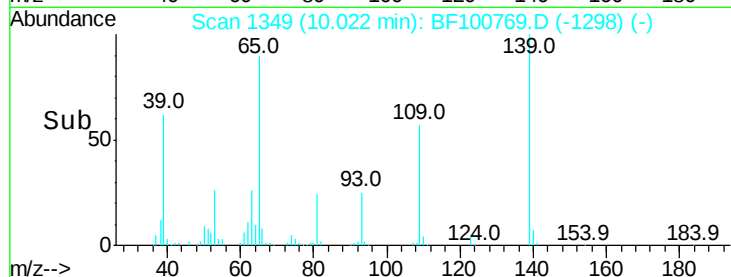
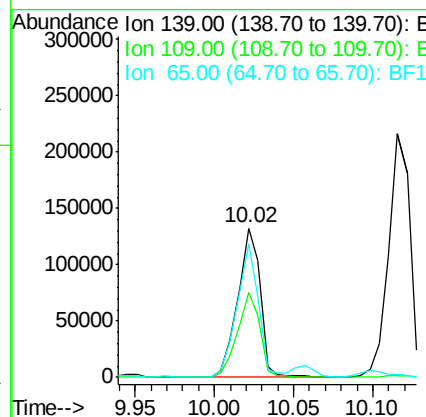
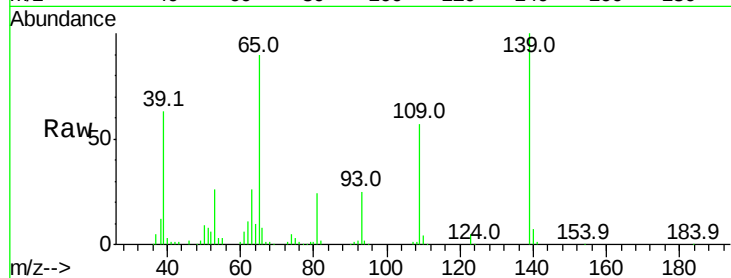
ClientSampleId :

OR-02-110617MSD

Tot Ion:	139	Resp:	131861
Ion Ratio	Lower	Upper	
139	100		
109	57.2	48.4	88.4
65	89.7	72.6	112.6

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#56

2,4-Dinitrotoluene

Concen: 45.670 ng

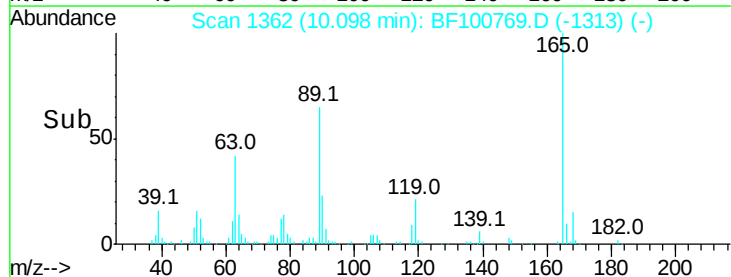
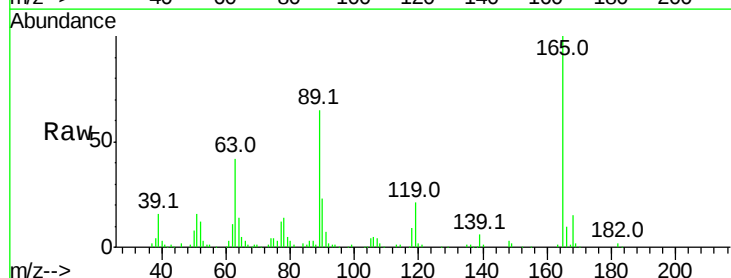
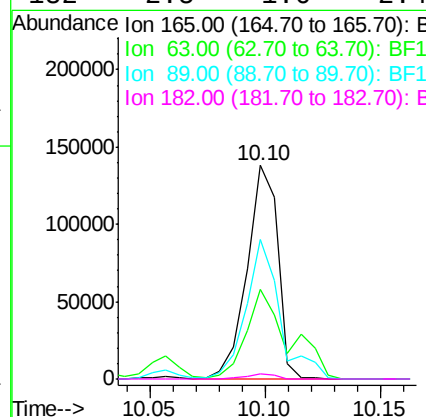
RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	165	Resp:	128479
Ion Ratio	Lower	Upper	
165	100		
63	42.1	36.4	54.6
89	65.3	57.8	86.6
182	2.5	1.6	2.4#





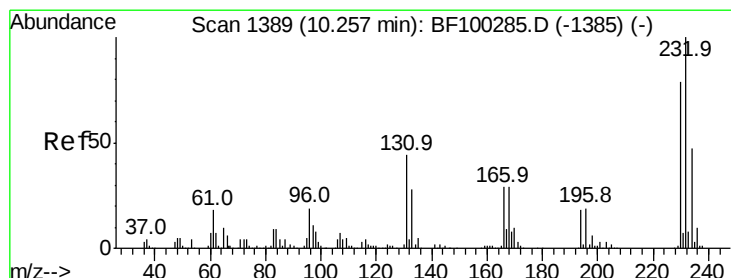
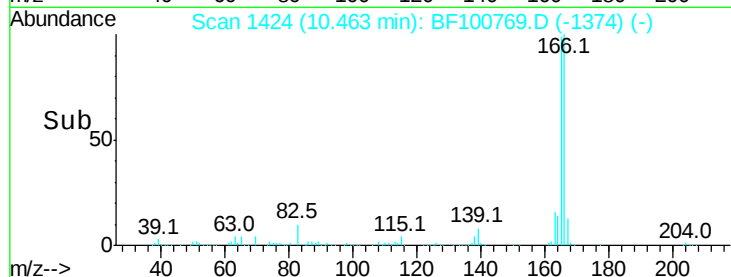
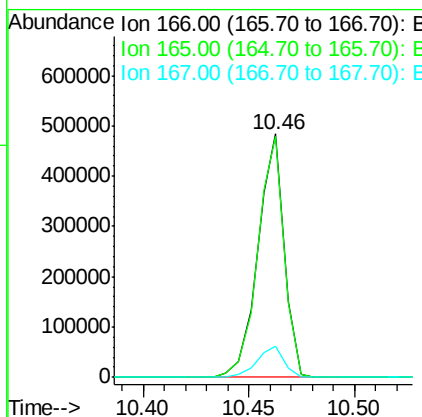
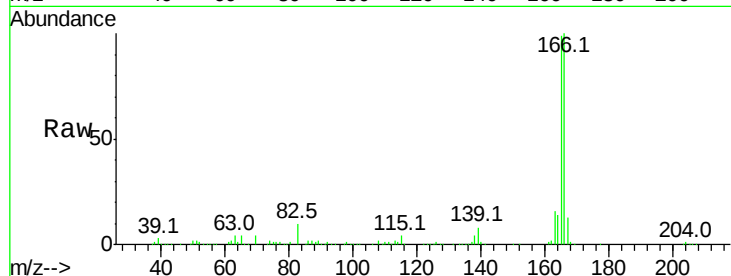
#57
Fluorene
 Concen: 43.540 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.9	79.8	119.8	
167	13.0	10.6	16.0	

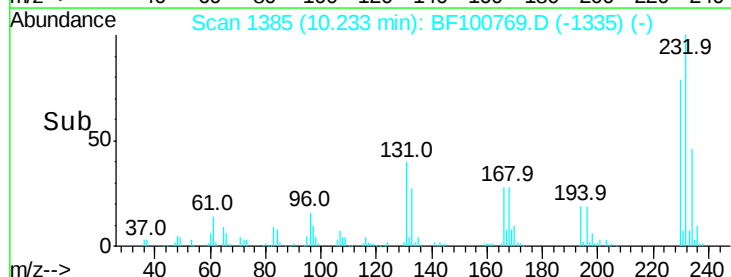
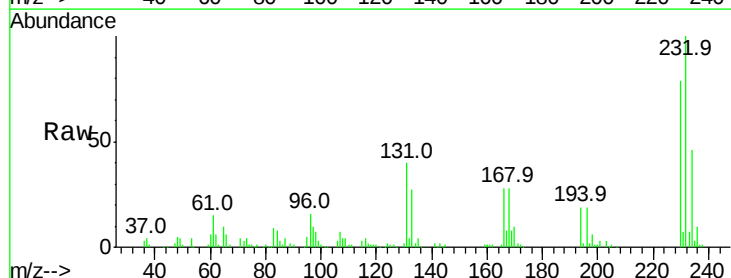
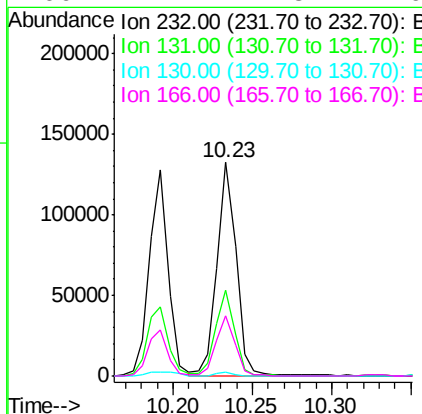
Manual Integrations
 APPROVED

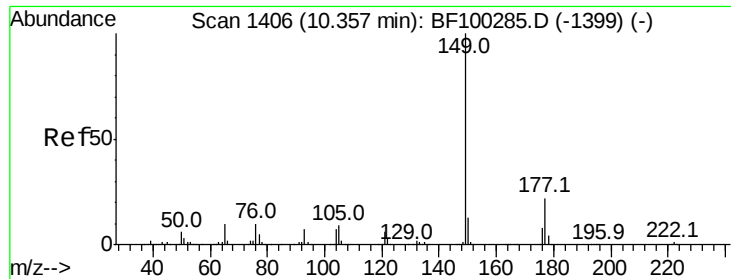
SOHIL
 11/21/2017 2:17:34 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 42.751 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	39.1	43.8	65.8#	
130	1.6	2.1	3.1#	
166	27.7	27.8	41.6#	





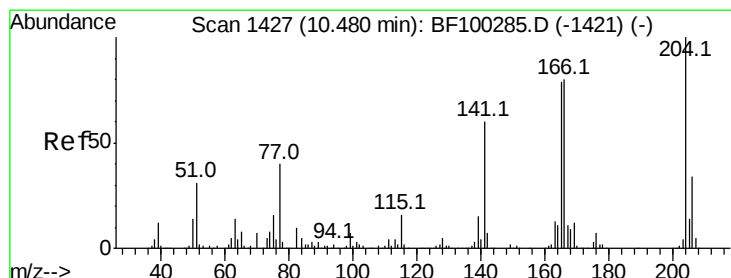
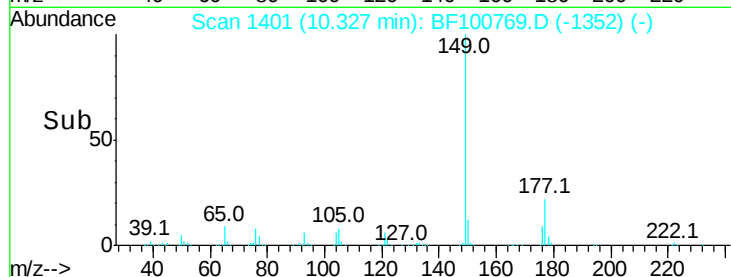
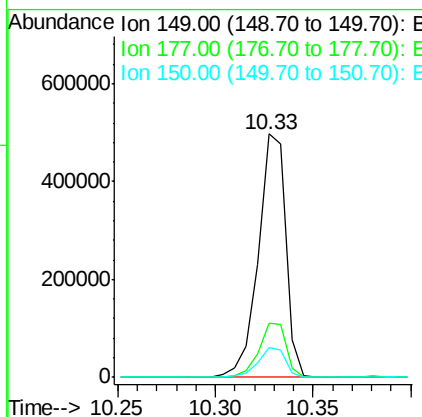
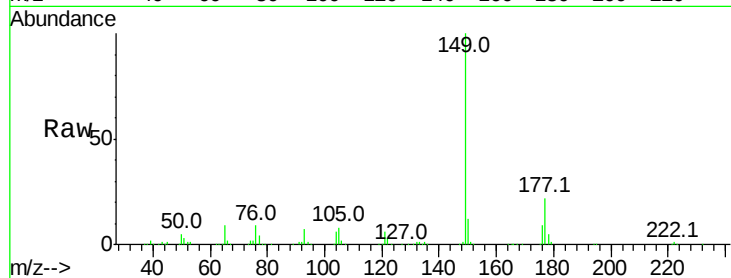
#59
Diethylphthalate
Concen: 43.055 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
177	22.4	16.1	24.1	
150	12.4	10.1	15.1	

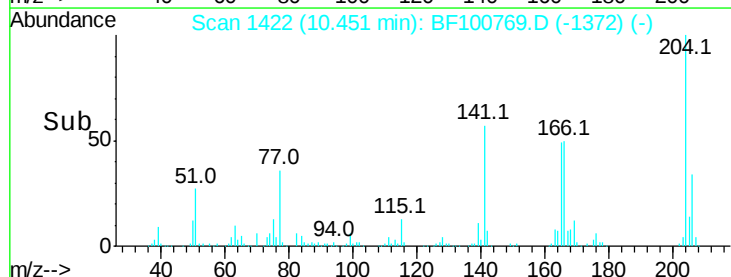
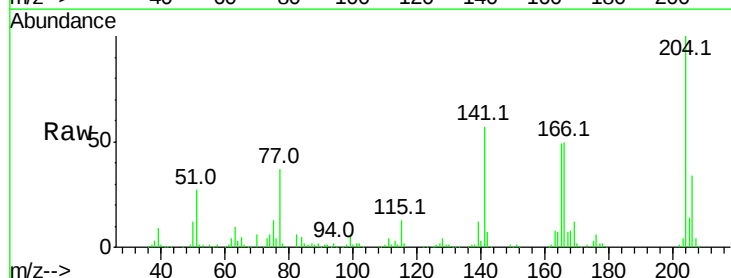
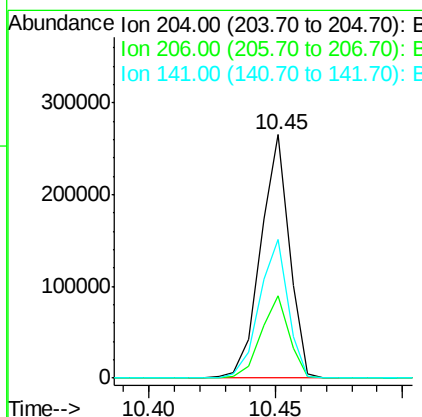
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.686 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
204	100			
206	33.6	26.5	39.7	
141	57.2	54.6	81.8	





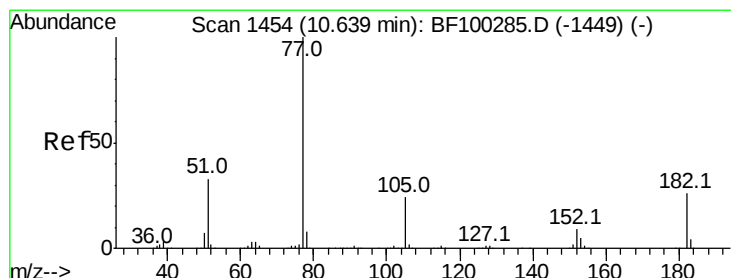
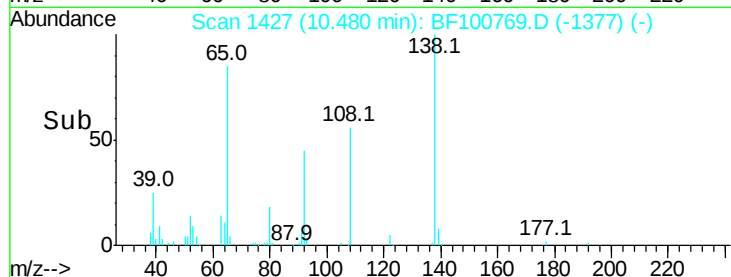
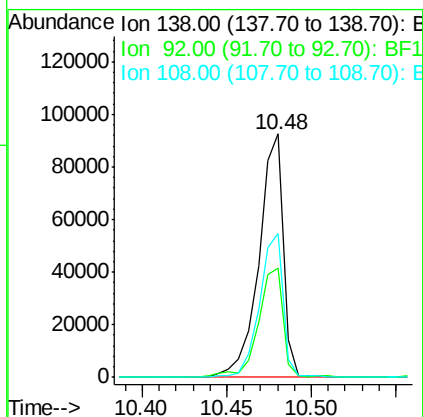
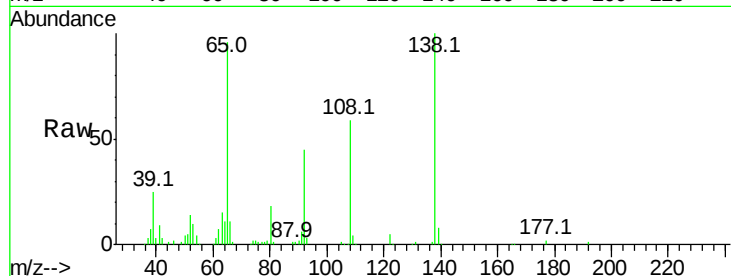
#61
4-Nitroaniline
Concen: 37.129 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	44.7	30.2	70.2
108	59.1	52.5	92.5

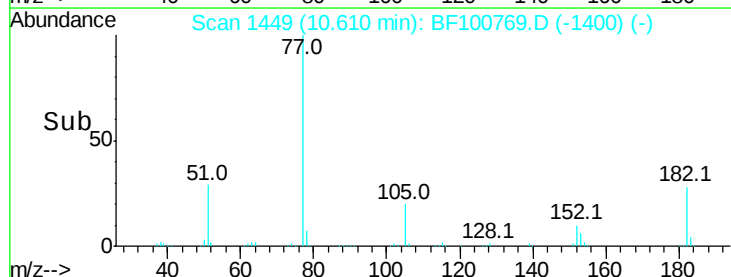
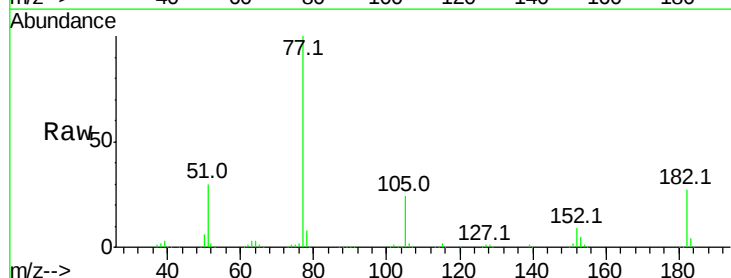
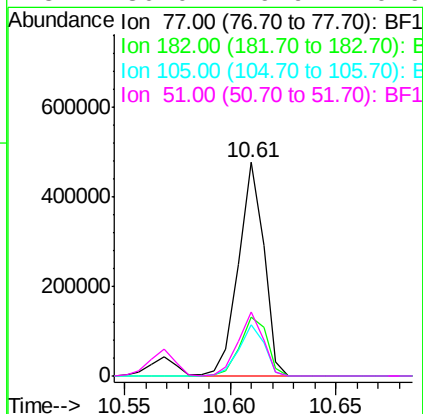
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#62
Azobenzene
Concen: 37.248 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.5	1.7	41.7
105	23.7	3.0	43.0
51	30.0	9.9	49.9





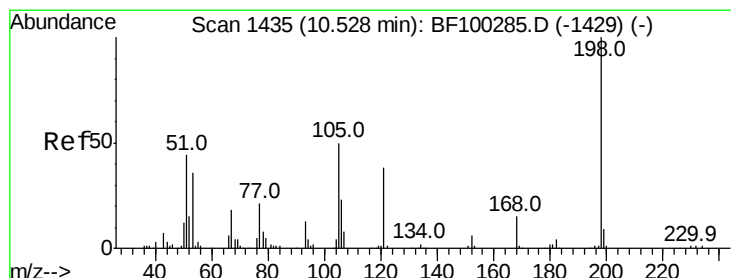
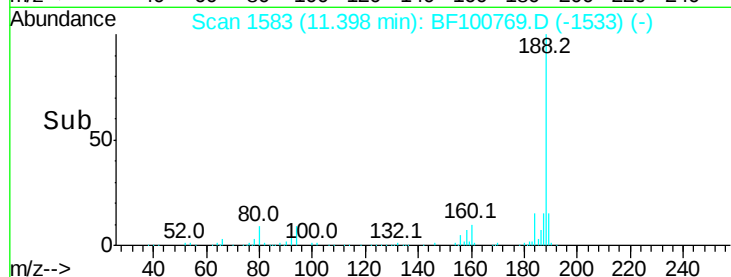
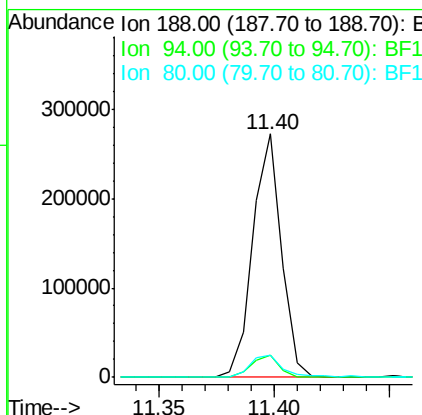
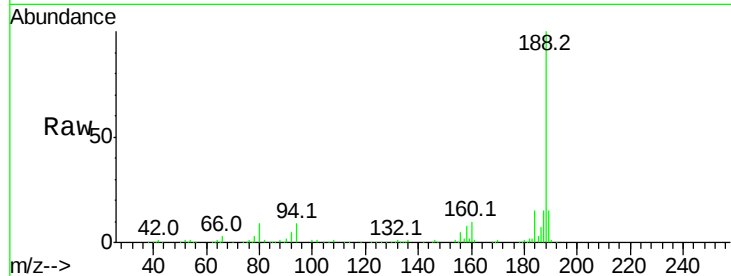
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	8.5	12.7
80	8.9	9.2	13.8#

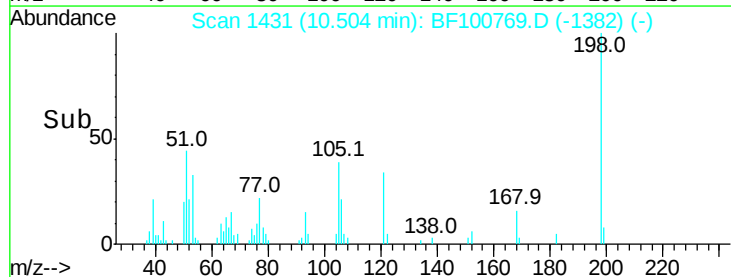
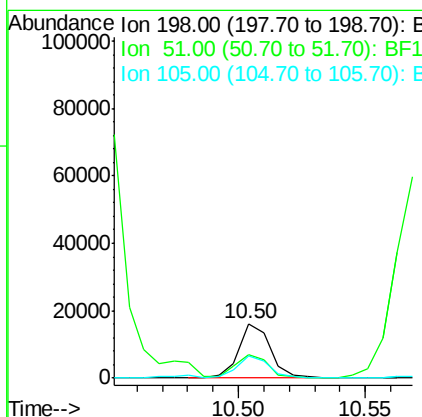
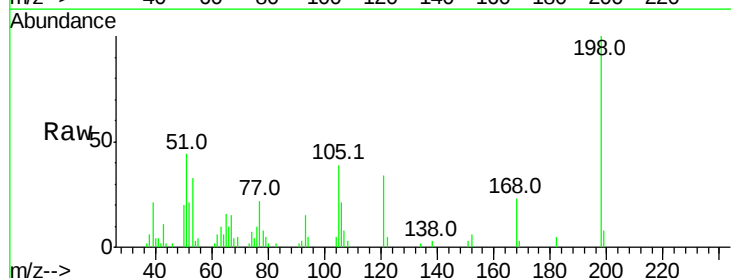
Manual Integrations
APPROVED

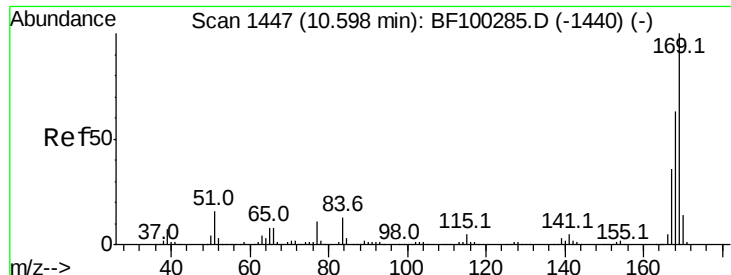
SOHIL
11/21/2017 2:17:34 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 18.104 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	43.6	37.7	77.7
105	39.4	36.3	76.3





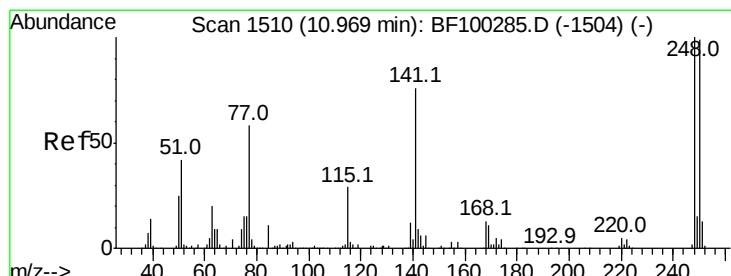
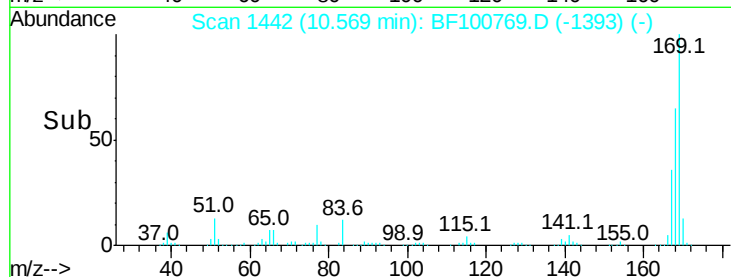
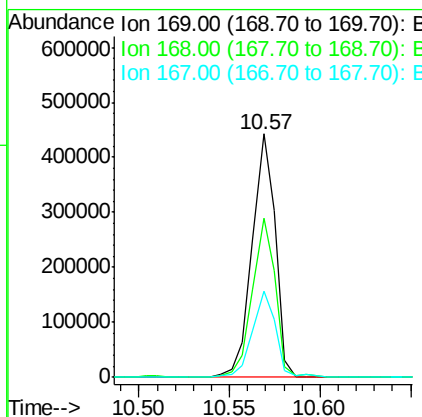
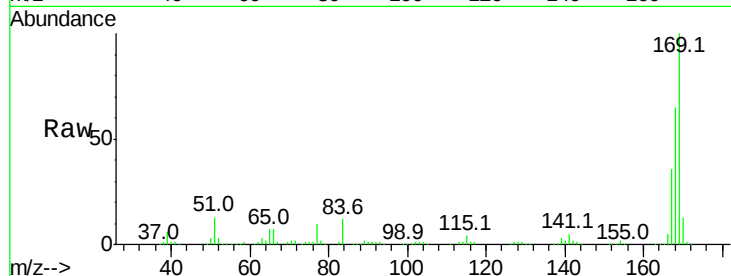
#65
n-Nitrosodiphenylamine
Concen: 47.916 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	65.4	54.4	81.6	
167	35.5	29.8	44.6	

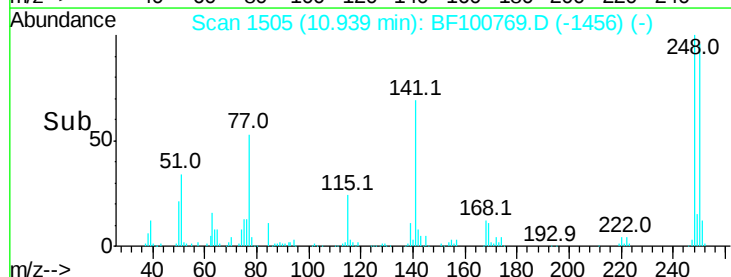
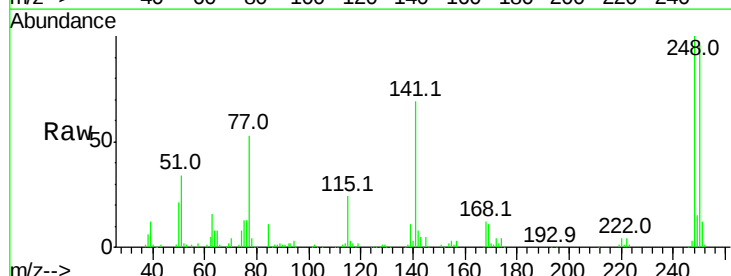
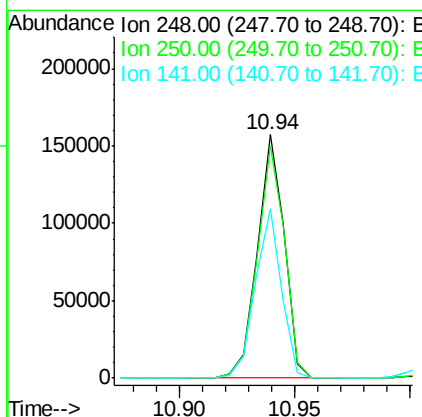
Manual Integrations
APPROVED

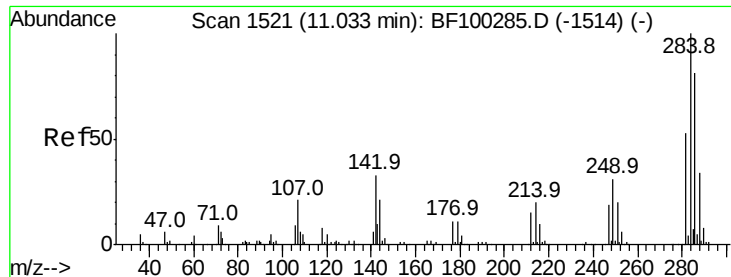
SOHIL
11/21/2017 2:17:34 PM



#66
4-Bromophenyl-phenylether
Concen: 50.335 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	95.5	76.9	115.3	
141	69.4	74.4	111.6	





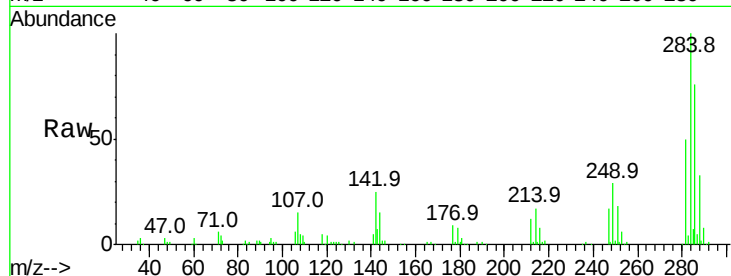
#67
Hexachlorobenzene
Concen: 46.939 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

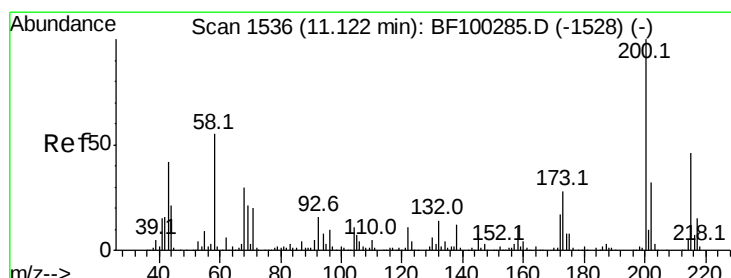
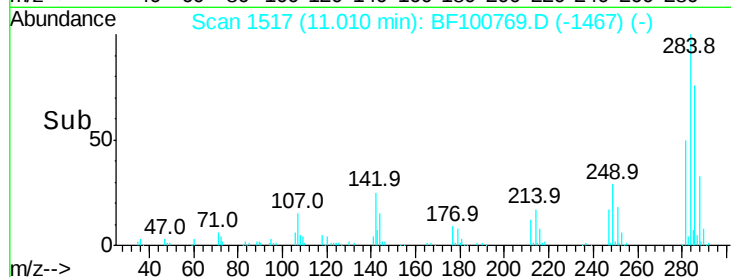
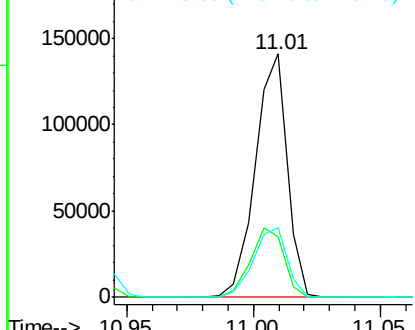
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	25.1	34.6	52.0	
249	28.5	24.8	37.2	

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM

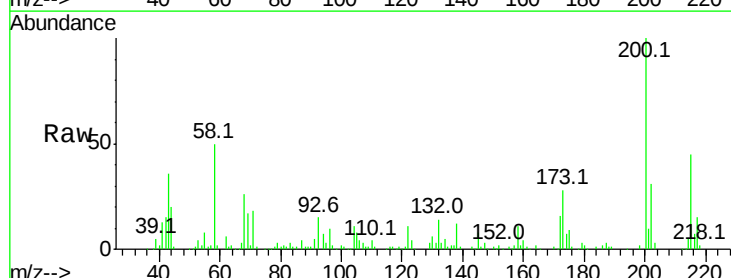


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

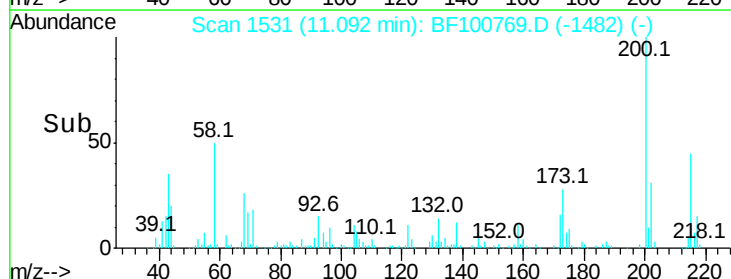
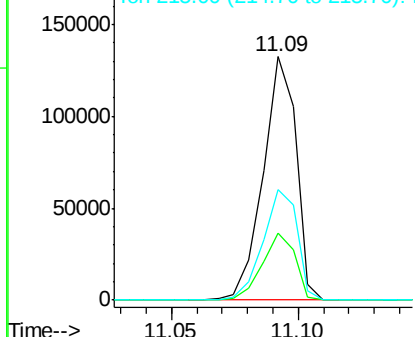


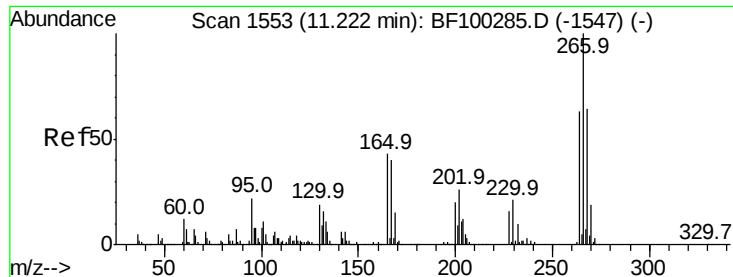
#68
Atrazine
Concen: 48.654 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.6	8.6	48.6	
215	45.5	25.1	65.1	



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





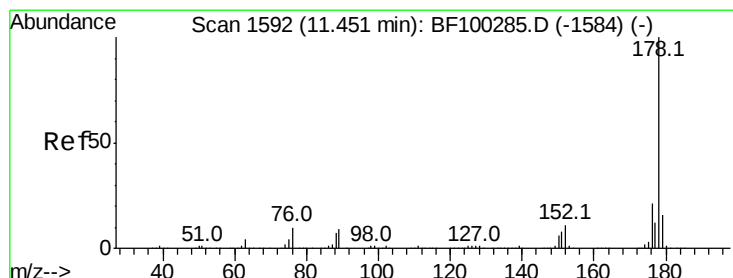
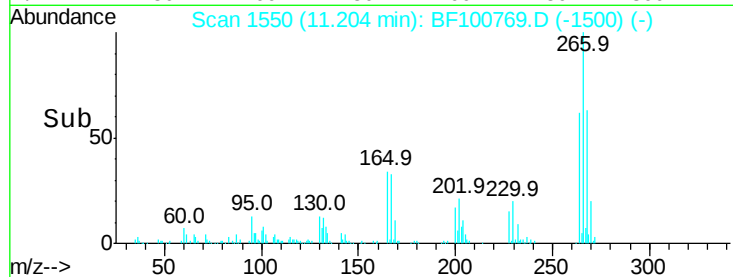
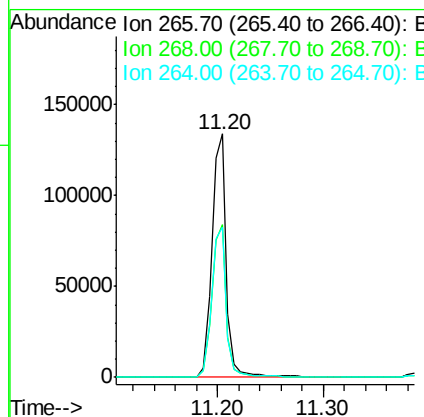
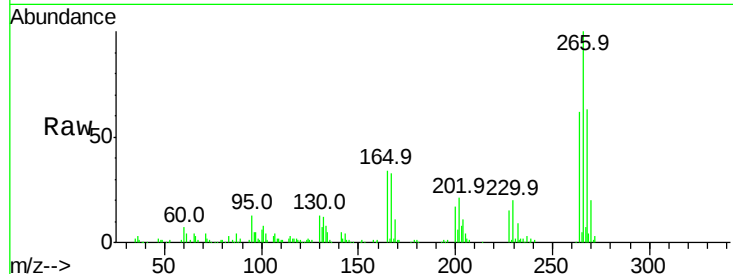
#69
 Pentachlorophenol
 Concen: 67.384 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	127824		
268	62.6	51.1	76.7	
264	61.7	49.5	74.3	

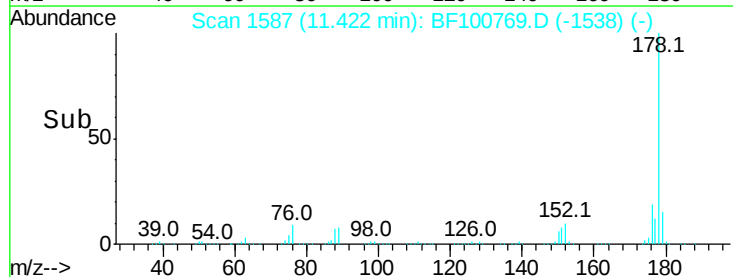
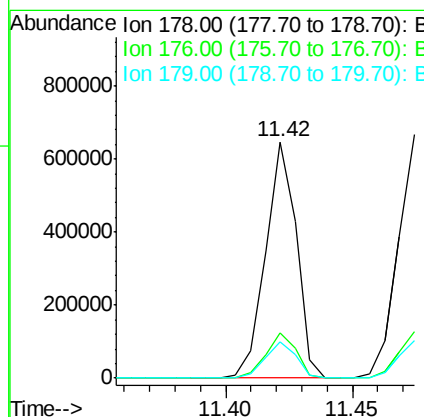
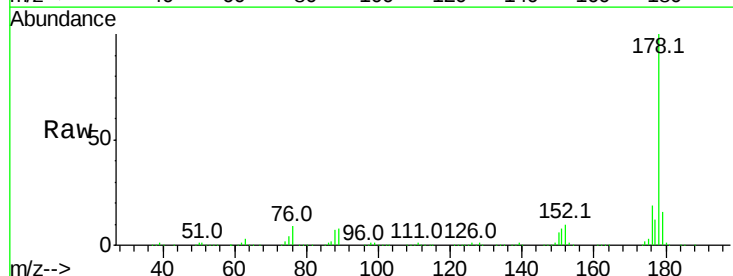
Manual Integrations
 APPROVED

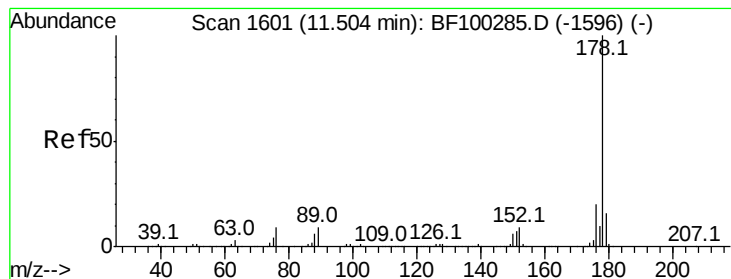
SOHIL
 11/21/2017 2:17:34 PM



#70
 Phenanthrene
 Concen: 44.345 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	550916		
176	19.2	15.8	23.8	
179	15.5	13.0	19.6	





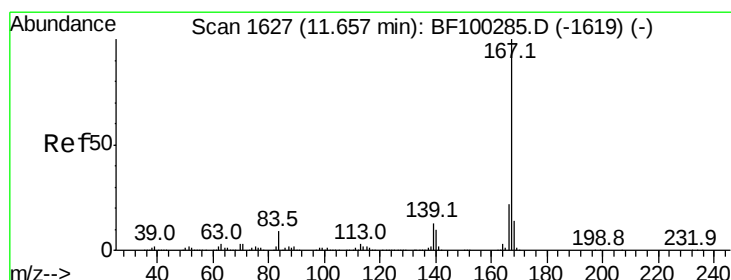
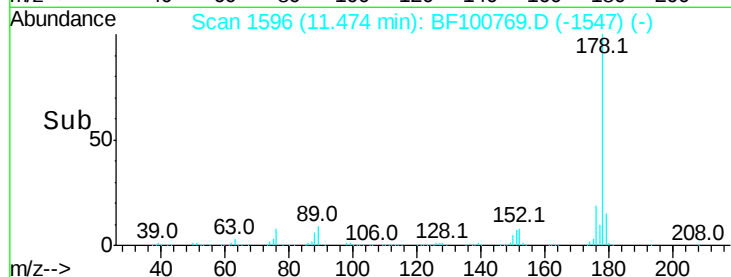
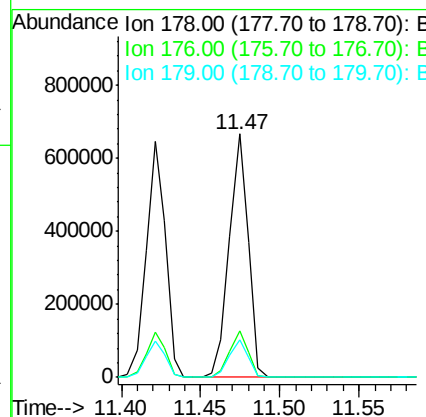
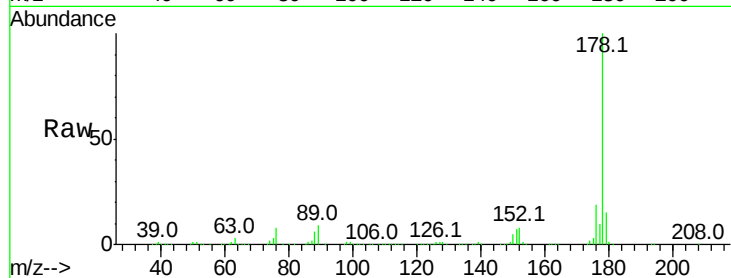
#71
 Anthracene
 Concen: 44.038 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.6	19.0

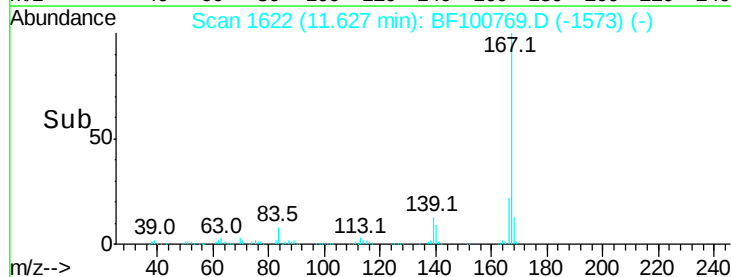
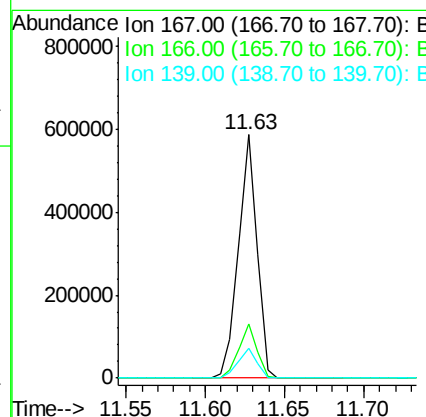
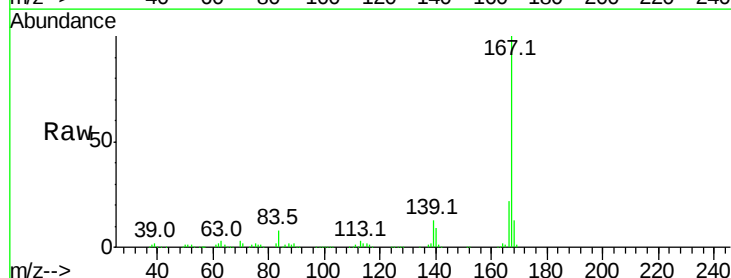
Manual Integrations
 APPROVED

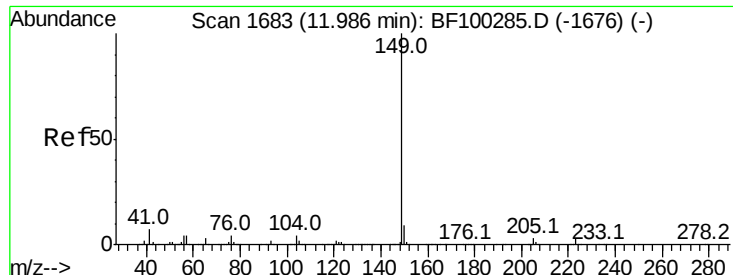
SOHIL
 11/21/2017 2:17:34 PM



#72
 Carbazole
 Concen: 41.542 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	12.5	10.9	16.3





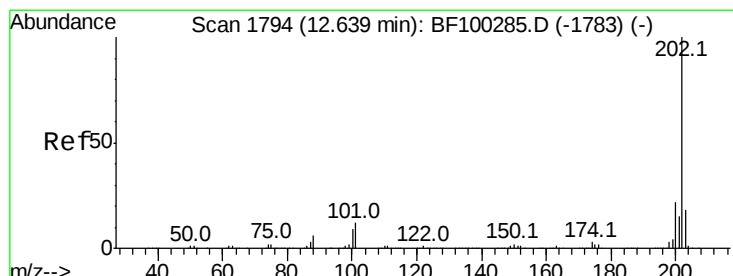
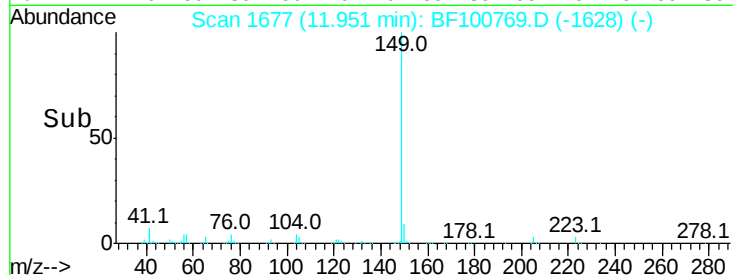
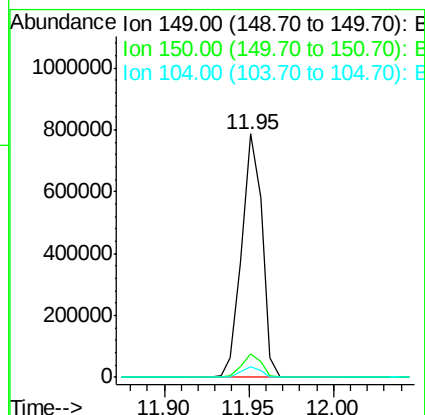
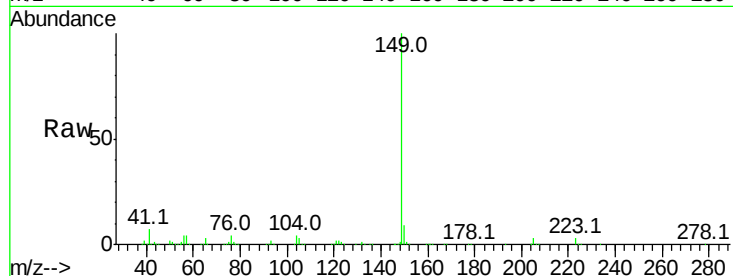
#73
Di-n-butylphthalate
Concen: 48.585 ng
RT: 11.95 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	661229		
150	9.4	7.8	11.6	
104	4.2	3.8	5.8	

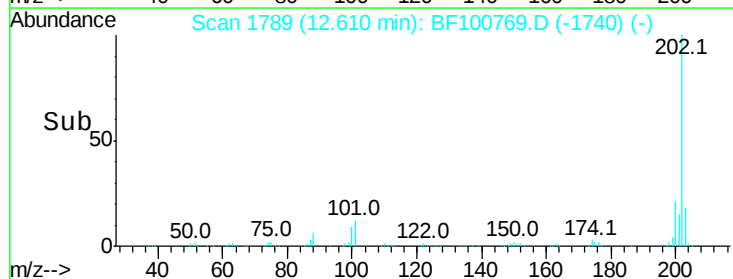
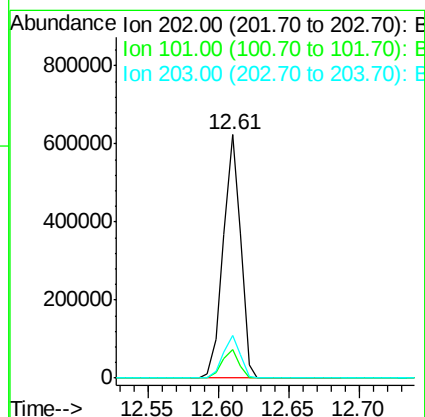
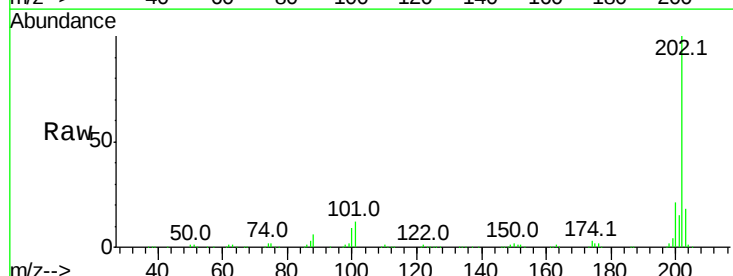
Manual Integrations
APPROVED

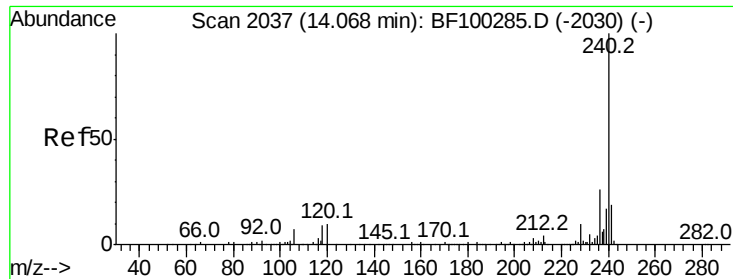
SOHIL
11/21/2017 2:17:34 PM



#74
Fluoranthene
Concen: 40.682 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	535638		
101	11.9	0.0	34.1	
203	17.7	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Instrument :

BNA_F

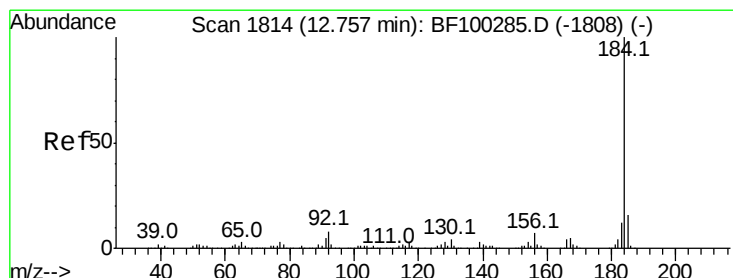
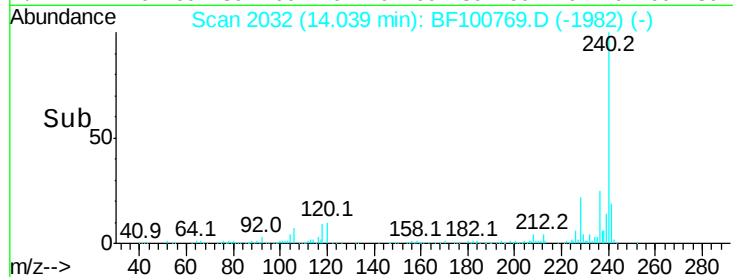
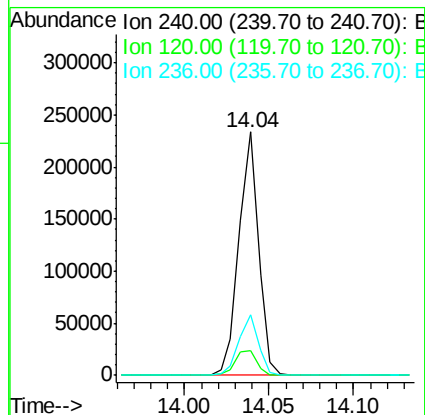
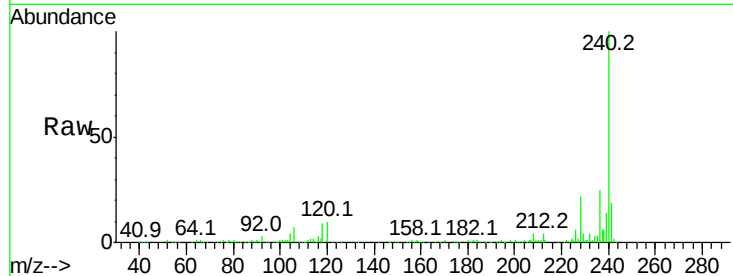
ClientSampleId :

OR-02-110617MSD

Tot Ion:	240	Resp:	189603
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	25.0	20.7	31.1

Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#76

Benzidine

Concen: 14.849 ng

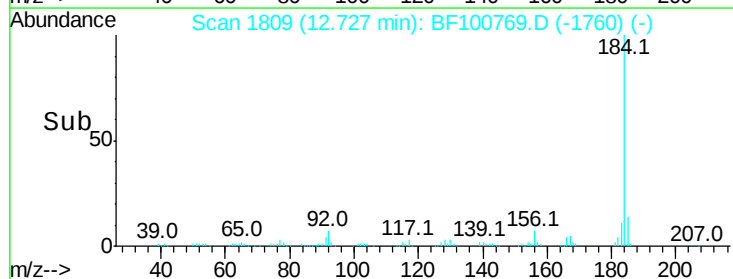
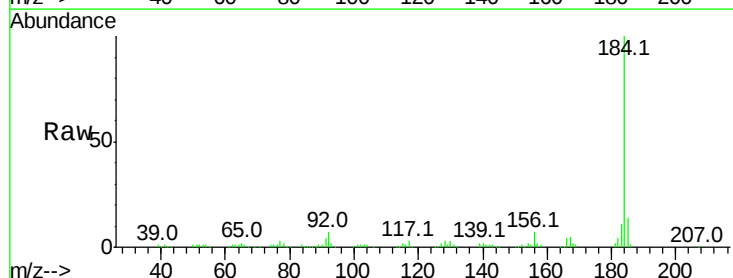
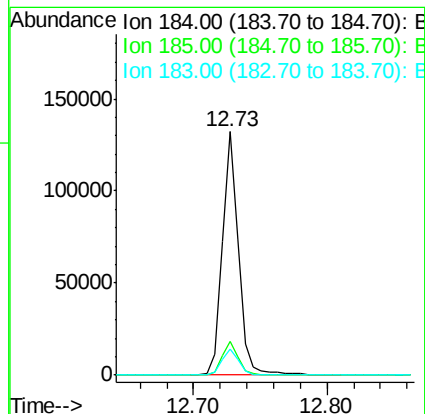
RT: 12.73 min Scan# 1809

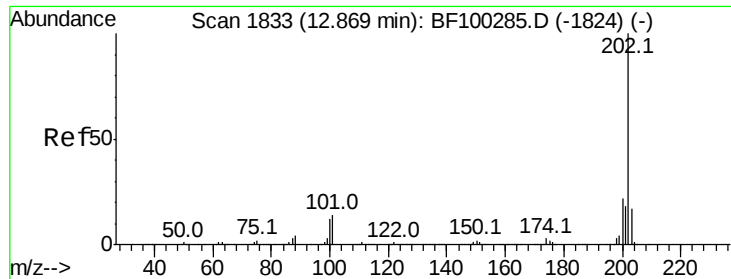
Delta R.T. -0.01 min

Lab File: BF100769.D

Acq: 21 Nov 2017 9:41

Tgt Ion:	184	Resp:	112749
Ion Ratio	Lower	Upper	
184	100		
185	13.7	12.6	18.8
183	10.8	9.3	13.9





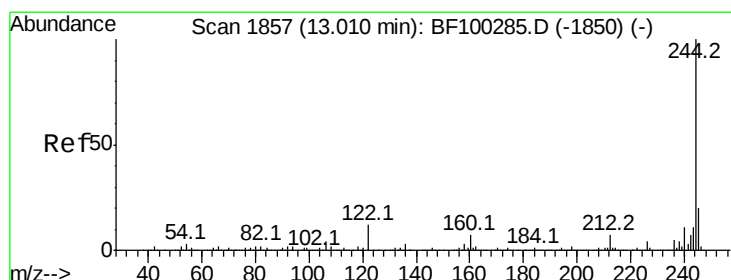
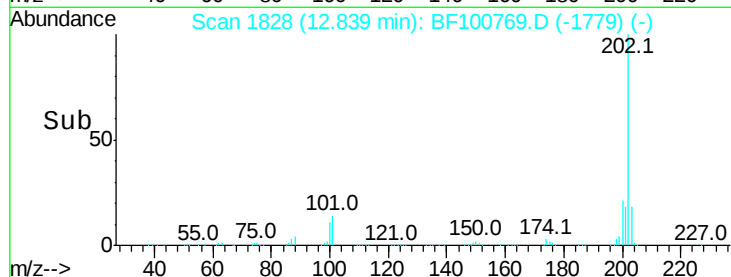
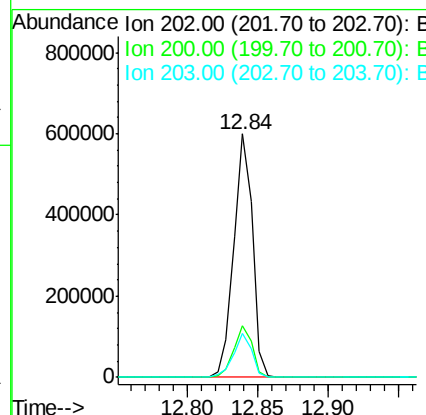
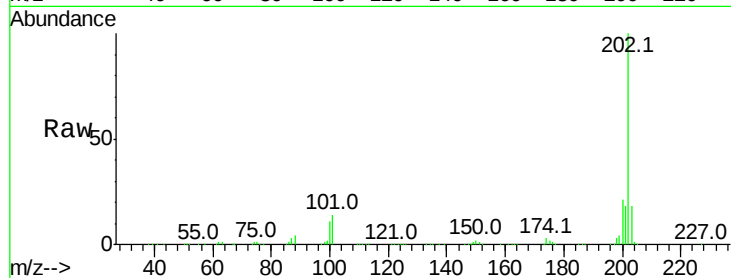
#77
Pvrene
Concen: 40.745 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3		17.4	26.2
203	17.8		14.3	21.5

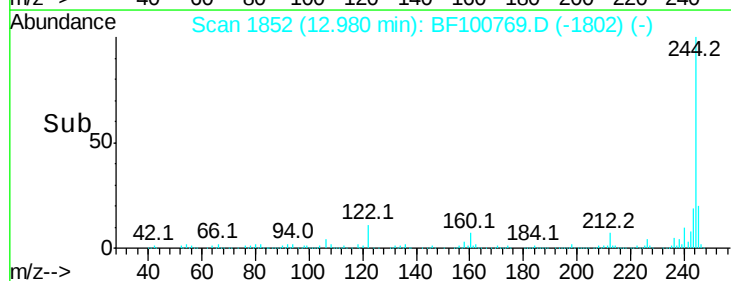
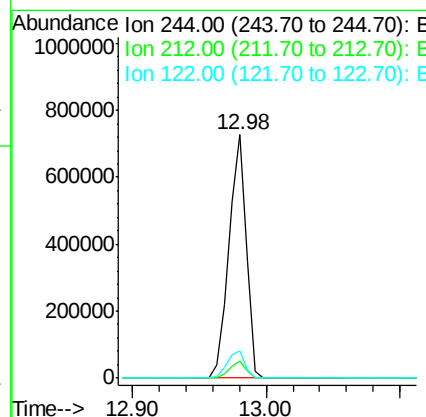
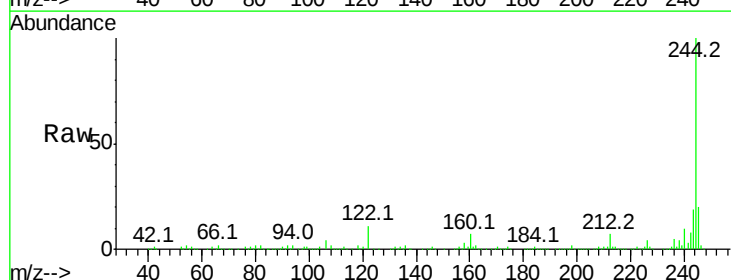
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#78
Terphenyl-d14
Concen: 81.011 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1		5.4	8.0
122	11.1		11.0	16.4





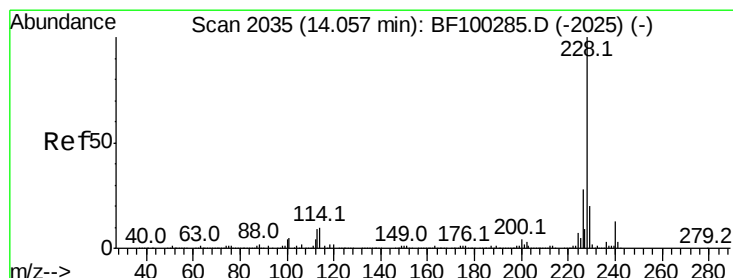
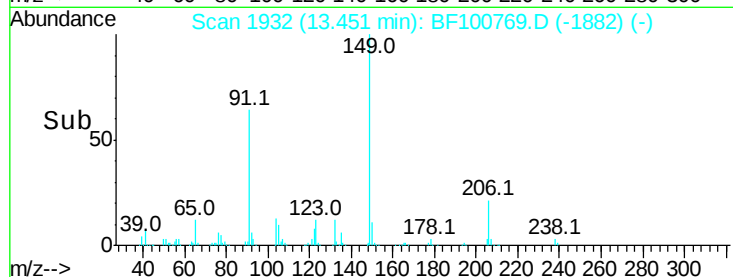
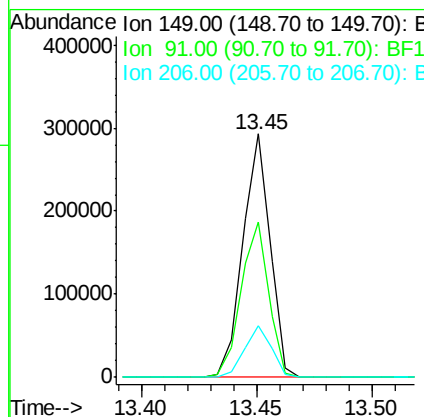
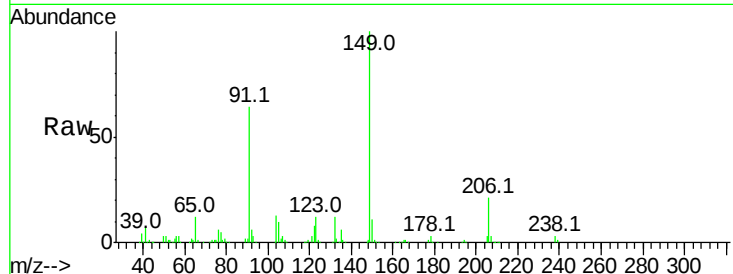
#79
Butylbenzylphthalate
Concen: 43.733 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	241050		
91	63.7	56.8	85.2	
206	21.0	14.1	21.1	

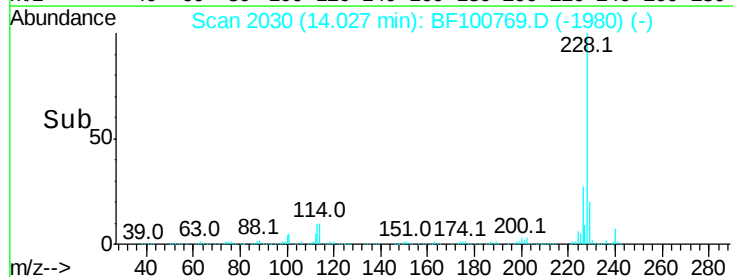
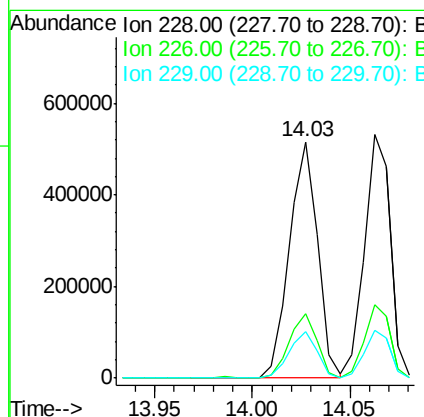
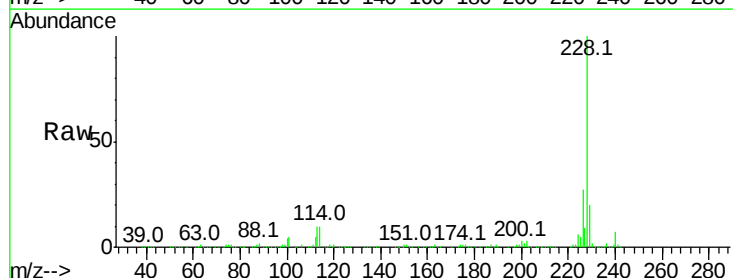
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#80
Benzo(a)anthracene
Concen: 45.079 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	514700		
226	27.2	22.6	33.8	
229	19.7	15.8	23.6	





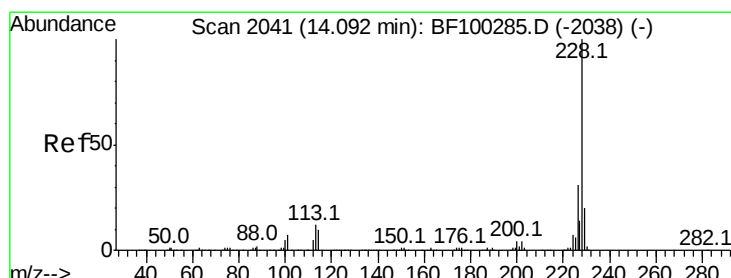
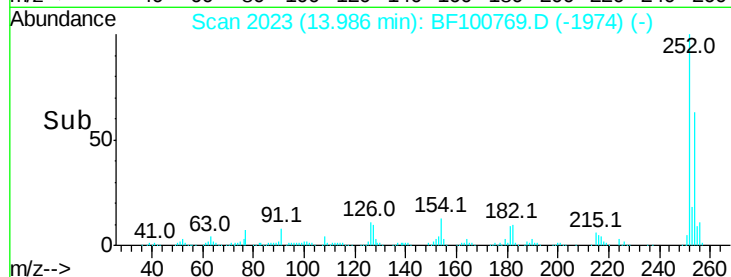
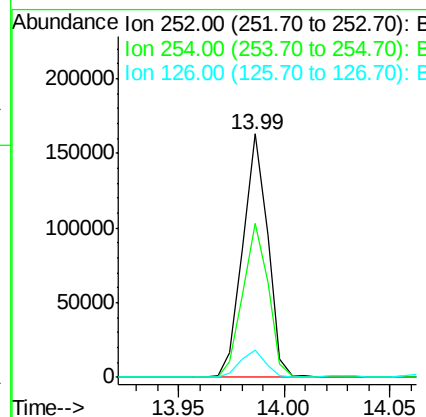
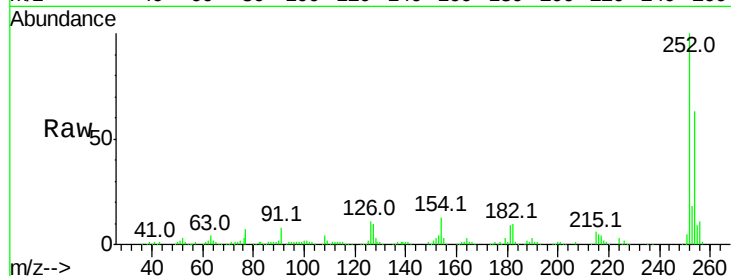
#81
 3,3'-Dichlorobenzidine
 Concen: 32.531 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.4	75.6
126	11.5	11.3	16.9

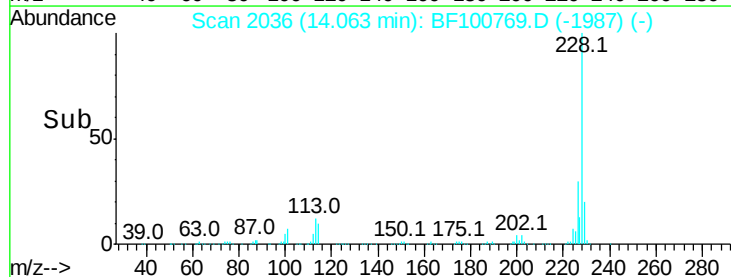
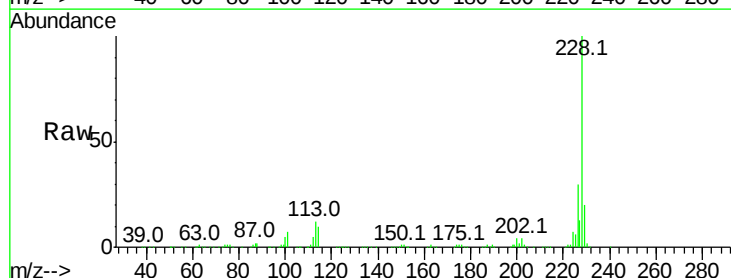
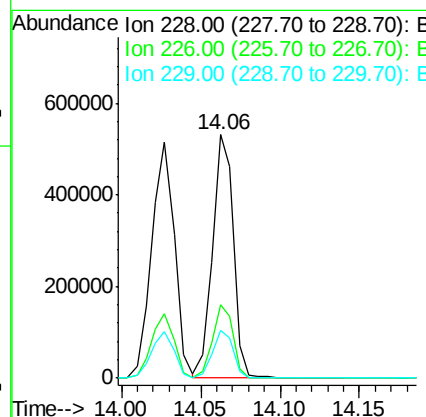
Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM



#82
 Chrysene
 Concen: 43.995 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	19.6	16.2	24.4





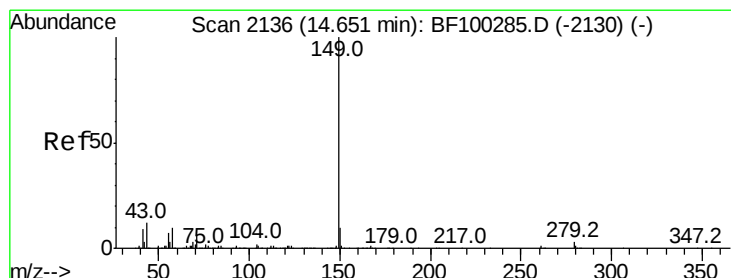
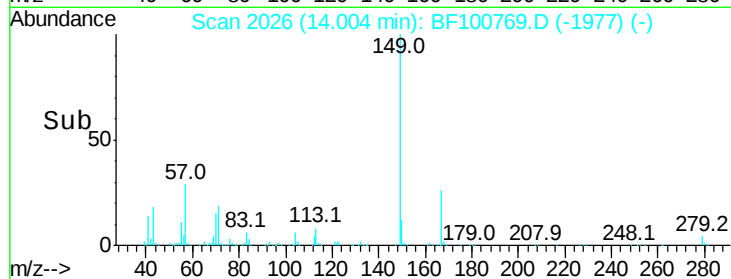
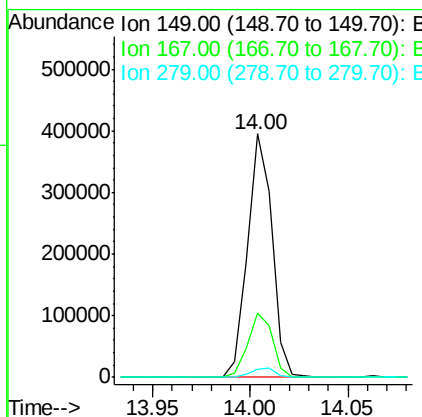
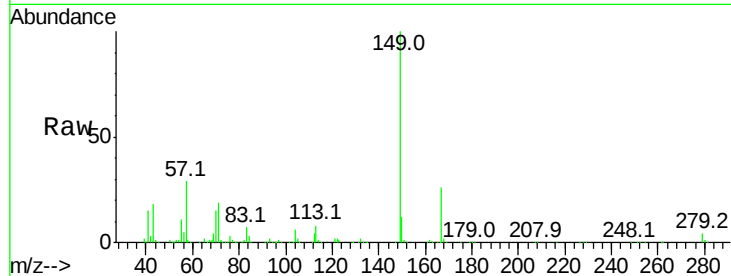
#83
Bis(2-ethylhexyl)phthalate
Concen: 47.294 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.3	31.9
279	3.6	3.0	4.4

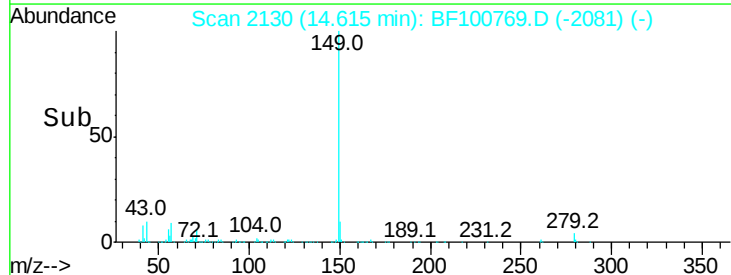
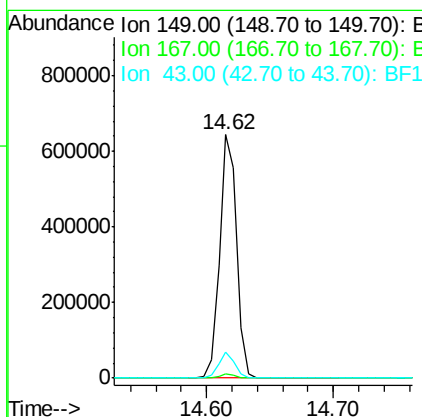
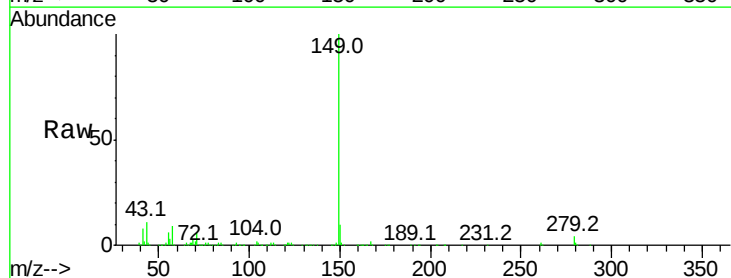
Manual Integrations
APPROVED

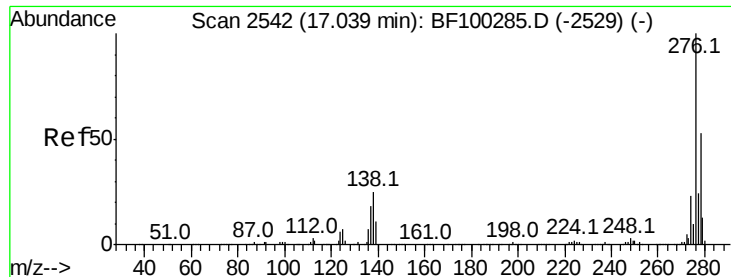
SOHIL
11/21/2017 2:17:34 PM



#84
Di-n-octyl phthalate
Concen: 48.461 ng
RT: 14.62 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	8.4	12.6





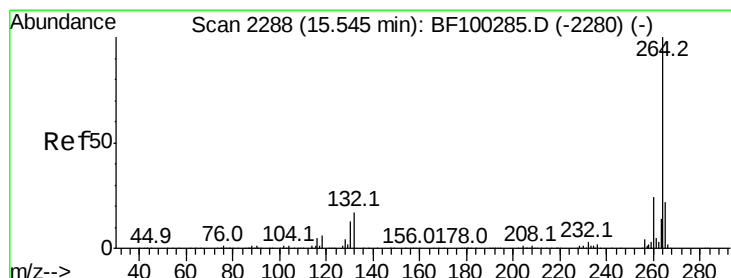
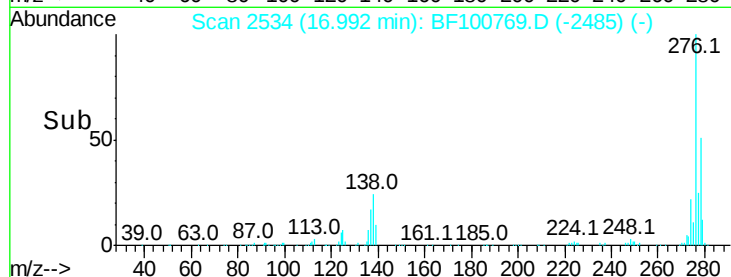
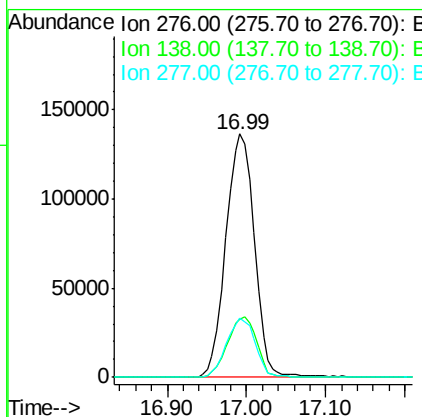
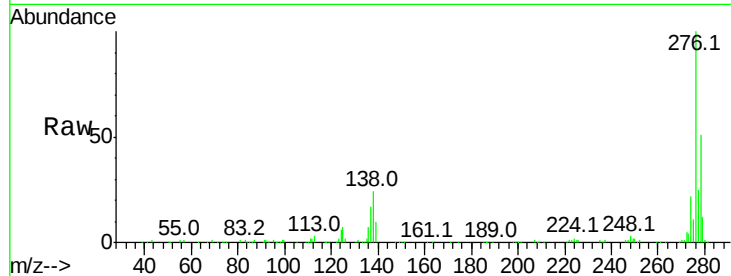
#85
Indeno(1,2,3-cd)pyrene
Concen: 38.087 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.8	20.1	30.1

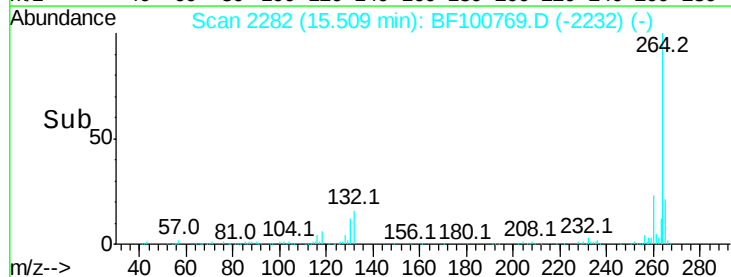
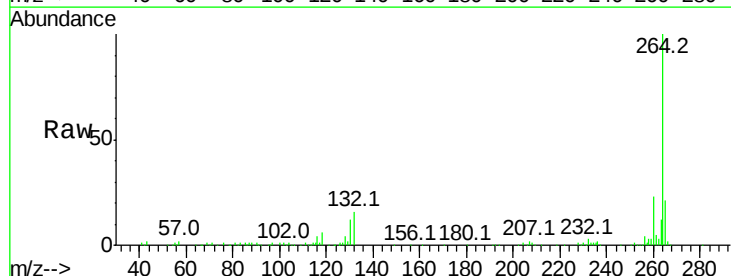
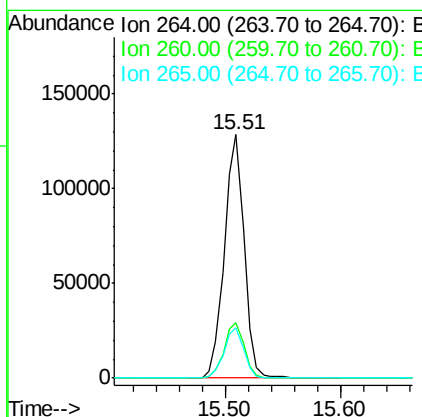
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.9	17.5	26.3





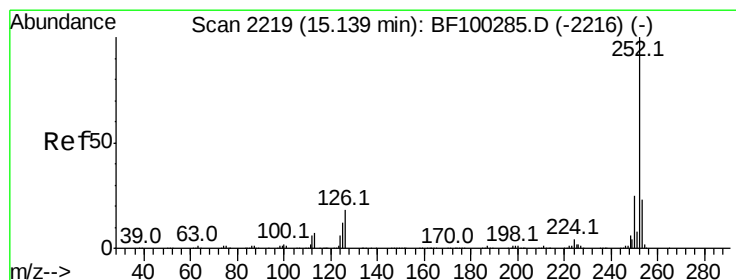
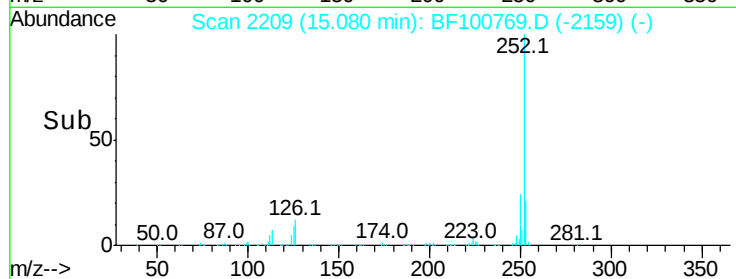
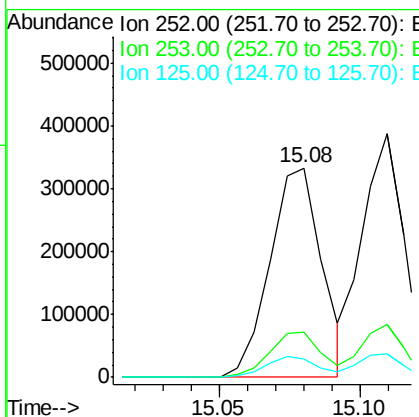
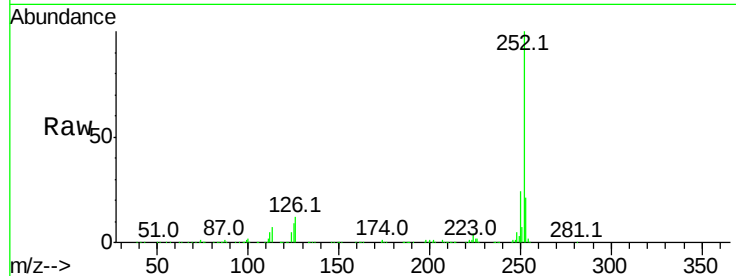
#87
Benzo(b)fluoranthene
Concen: 46.983 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	9.1	9.0	13.6

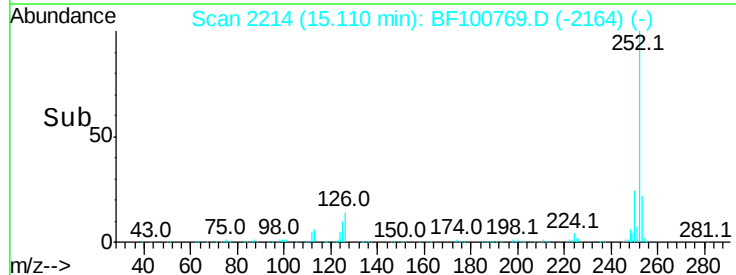
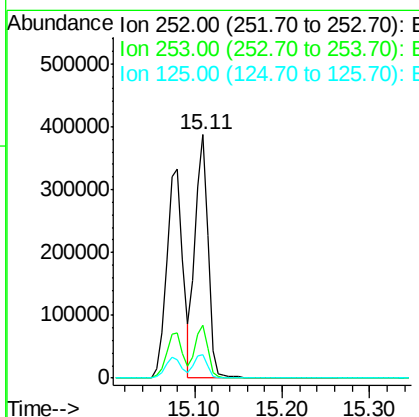
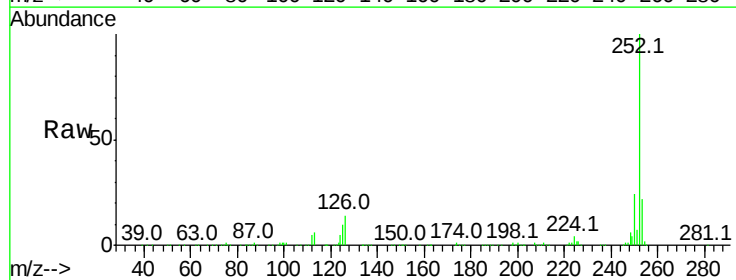
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#88
Benzo(k)fluoranthene
Concen: 47.467 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	9.8	10.2	15.2#





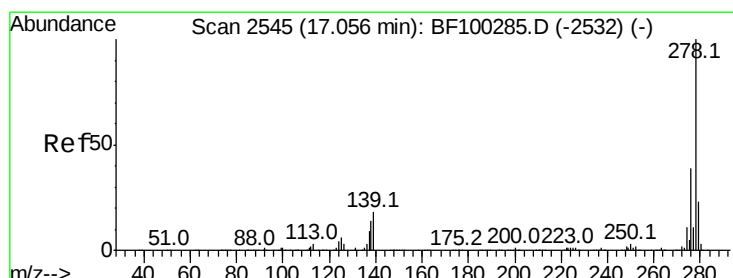
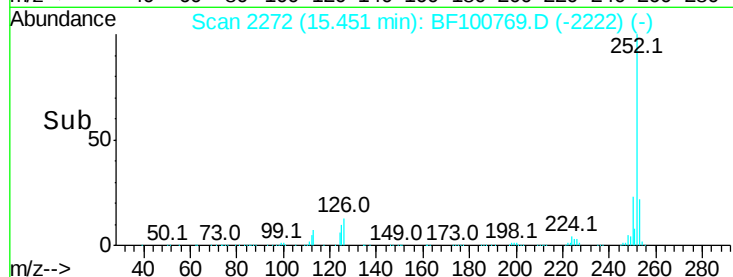
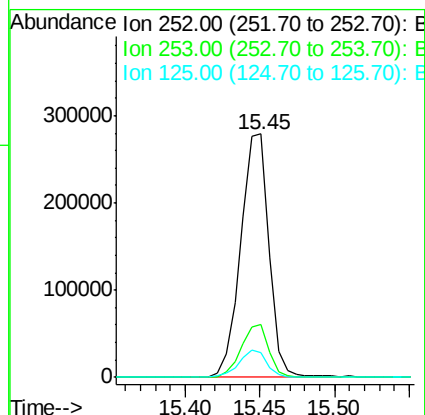
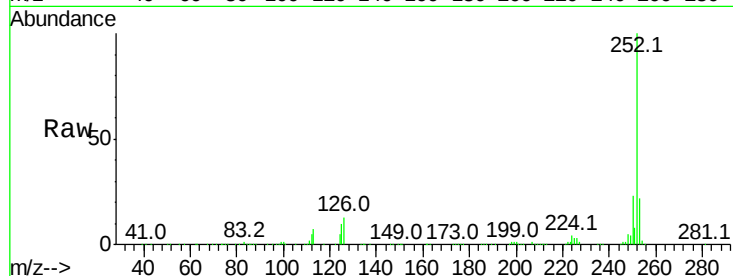
#89
Benzo(a)pyrene
Concen: 45.927 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Instrument :
BNA_F
ClientSampleId :
OR-02-110617MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.2	9.8	14.6

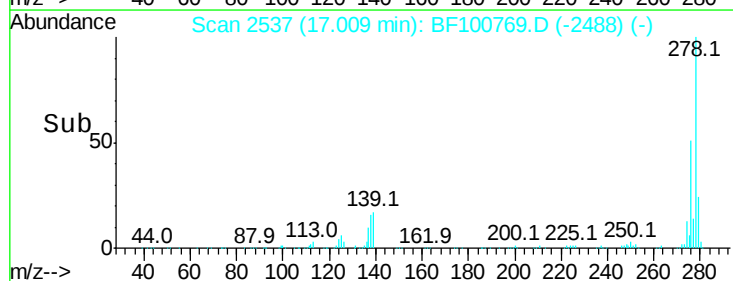
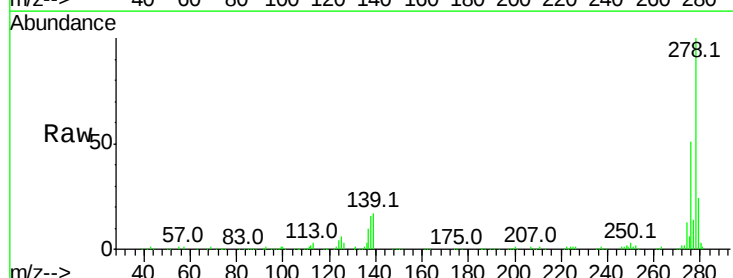
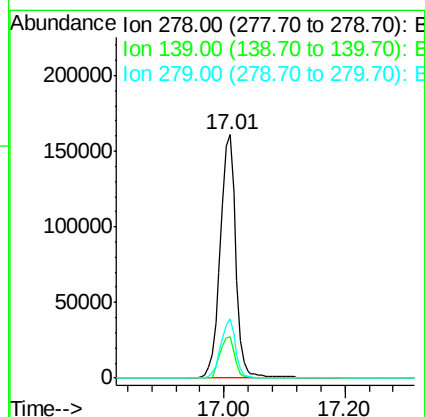
Manual Integrations
APPROVED

SOHIL
11/21/2017 2:17:34 PM



#90
Dibenzo(a,h)anthracene
Concen: 43.690 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF100769.D
Acq: 21 Nov 2017 9:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	15.9	23.9
279	24.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 42.755 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF100769.D
 Acq: 21 Nov 2017 9:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-110617MSD

Tot Ion:	276	Resp:	274599
Ion Ratio		Lower	Upper
276	100		
277	23.4	17.9	26.9
138	23.0	21.8	32.8

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:17:34 PM

