

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097246.D
 Acq On : 1 Aug 2017 22:00
 Operator : SJ/JU
 Sample : I4512-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM

Quant Time: Aug 02 05:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	100912	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	423631	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	158996	20.00	ng	-0.04
63) Phenanthrene-d10	10.97	188	220576	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	179288	20.00	ng	-0.04
86) Perylene-d12	14.93	264	167245	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	799280	119.40	ng	-0.02
7) Phenol-d6	6.15	99	880684	115.24	ng	-0.02
23) Nitrobenzene-d5	7.04	82	560982	77.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.29	330	122091	97.19	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	791516	84.49	ng	-0.04
78) Terphenyl-d14	12.55	244	509104	57.90	ng	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.03	88	112940	40.430	ng	# 77
3) Pyridine	2.63	79	304700	35.621	ng	# 63
4) n-Nitrosodimethylamine	2.59	42	184633	38.961	ng	80
6) Aniline	6.13	93	290227	30.180	ng	97
8) 2-Chlorophenol	6.26	128	264168	36.906	ng	93
9) Benzaldehyde	6.01	77	193823	42.849	ng	97
10) Phenol	6.16	94	411470	45.393	ng	93
11) bis(2-Chloroethyl)ether	6.21	93	261956	36.539	ng	89
12) 1,3-Dichlorobenzene	6.40	146	278987	36.168	ng	98
13) 1,4-Dichlorobenzene	6.48	146	304495	39.832	ng	93
14) 1,2-Dichlorobenzene	6.63	146	259612	38.895	ng	98
15) Benzyl Alcohol	6.63	79	213548	44.136	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.76	45	598317	41.609	ng	57
17) 2-Methylphenol	6.76	107	223665	40.487	ng	# 88
18) Hexachloroethane	6.97	117	110528	39.521	ng	# 81
19) n-Nitroso-di-n-propylamine	6.90	70	204983	40.750	ng	# 82
20) 3+4-Methylphenols	6.92	107	293536	40.683	ng	# 63
22) Acetophenone	6.89	105	398776	39.198	ng	96
24) Nitrobenzene	7.06	77	298684	39.714	ng	93
25) Isophorone	7.30	82	508708	35.971	ng	97
26) 2-Nitrophenol	7.37	139	146111	35.909	ng	# 87
27) 2,4-Dimethylphenol	7.43	122	255994	38.139	ng	97
28) bis(2-Chloroethoxy)methane	7.52	93	356693	38.650	ng	98
29) 2,4-Dichlorophenol	7.63	162	213956	37.002	ng	96
30) 1,2,4-Trichlorobenzene	7.70	180	201204	36.506	ng	98
31) Naphthalene	7.77	128	752232	37.669	ng	100
32) Benzoic acid	7.55	122	14247	2.843	ng	92
33) 4-Chloroaniline	7.83	127	151201	18.608	ng	96
34) Hexachlorobutadiene	7.89	225	107171	36.678	ng	98
35) Caprolactam	8.19	113	69808m	37.650	ng	
36) 4-Chloro-3-methylphenol	8.34	107	227905	36.128	ng	85
37) 2-Methylnaphthalene	8.46	142	513159	40.586	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.63	216	177476	41.834	ng	98
40) Hexachlorocyclopentadiene	8.62	237	15446	16.145	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097246.D
 Acq On : 1 Aug 2017 22:00
 Operator : SJ/JU
 Sample : I4512-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

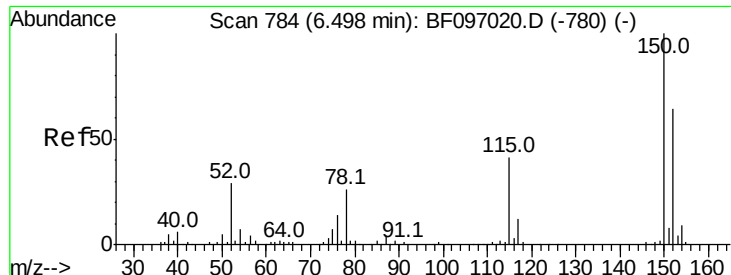
Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM

Quant Time: Aug 02 05:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	119136	38.751	nq	98
43) 2,4,5-Trichlorophenol	8.80	196	120837	39.269	nq	96
45) 1,1'-Biphenyl	8.93	154	502221	36.981	nq	97
46) 2-Chloronaphthalene	8.95	162	396617	39.687	nq	# 92
47) 2-Nitroaniline	9.05	65	153913	42.437	nq	95
48) Acenaphthylene	9.36	152	537743	35.056	nq	98
49) Dimethylphthalate	9.23	163	583559	48.332	nq	100
50) 2,6-Dinitrotoluene	9.30	165	88371	34.509	nq	# 83
51) Acenaphthene	9.53	154	343443	38.010	nq	100
52) 3-Nitroaniline	9.46	138	93880	29.535	nq	93
54) Dibenzofuran	9.70	168	498190	41.395	nq	98
55) 4-Nitrophenol	9.66	139	102615	54.287	nq	# 66
56) 2,4-Dinitrotoluene	9.70	165	108063	36.708	nq	# 65
57) Fluorene	10.04	166	341488	37.752	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.83	232	74730	35.172	nq	# 97
59) Diethylphthalate	9.93	149	441663	39.872	nq	99
60) 4-Chlorophenyl-phenylether	10.04	204	146684	39.270	nq	92
61) 4-Nitroaniline	10.07	138	90994	30.128	nq	92
62) Azobenzene	10.20	77	414667	40.353	nq	93
64) 4,6-Dinitro-2-methylphenol	10.12	198	8403	6.131	nq	87
65) n-Nitrosodiphenylamine	10.16	169	317163	41.326	nq	98
66) 4-Bromophenyl-phenylether	10.52	248	84952	38.592	nq	98
67) Hexachlorobenzene	10.59	284	86999	35.244	nq	# 93
68) Atrazine	10.69	200	89653	40.738	nq	94
69) Pentachlorophenol	10.79	266	60812	59.540	nq	98
70) Phenanthrene	10.99	178	461207	39.024	nq	99
71) Anthracene	11.05	178	479847	39.641	nq	99
72) Carbazole	11.20	167	489367	41.107	nq	99
73) Di-n-butylphthalate	11.55	149	573064	38.943	nq	98
74) Fluoranthene	12.17	202	452235	39.060	nq	98
76) Benzidine	12.30	184	332886	50.040	nq	# 92
77) Pyrene	12.40	202	489559	33.354	nq	99
79) Butylbenzylphthalate	13.03	149	237383	31.794	nq	# 77
80) Benzo(a)anthracene	13.58	228	413291	35.626	nq	98
81) 3,3'-Dichlorobenzidine	13.55	252	151040	34.526	nq	# 95
82) Chrysene	13.62	228	398639	35.192	nq	99
83) Bis(2-ethylhexyl)phthalate	13.60	149	313447	32.154	nq	100
84) Di-n-octyl phthalate	14.20	149	618901	34.596	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.15	276	289687	29.824	nq	94
87) Benzo(b)fluoranthene	14.58	252	374834	37.284	nq	97
88) Benzo(k)fluoranthene	14.60	252	370146	38.637	nq	99
89) Benzo(a)pyrene	14.89	252	340644	37.022	nq	97
90) Dibenzo(a,h)anthracene	16.16	278	250879	33.249	nq	# 95
91) Benzo(g,h,i)perylene	16.50	276	235370	29.746	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:152 Resp: 100912

Ion Ratio Lower Upper

152 100

150 160.3 126.2 189.2

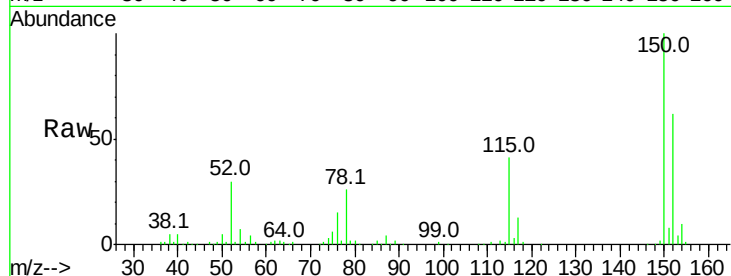
115 66.3 52.2 78.2

Manual Integrations

APPROVED

Sohil

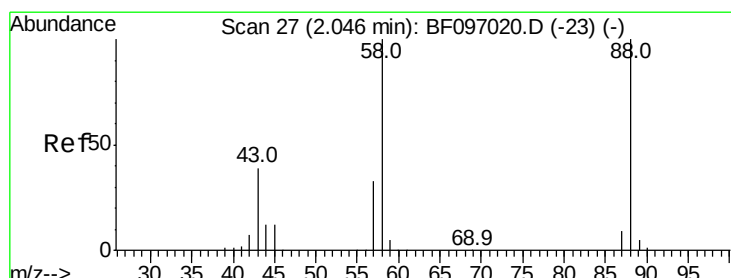
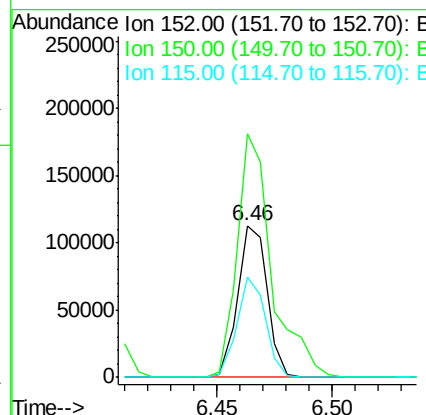
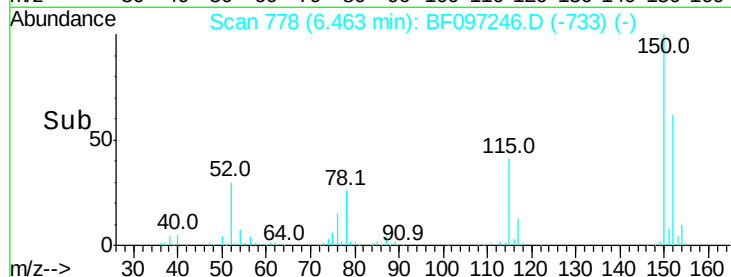
8/2/2017 7:15:26 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.430 ng

RT: 2.03 min Scan# 24

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

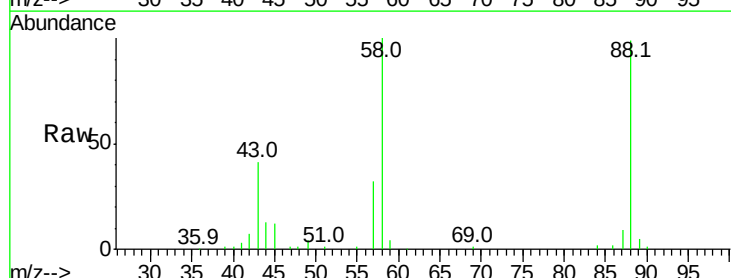
Tgt Ion: 88 Resp: 112940

Ion Ratio Lower Upper

88 100

58 97.9 61.4 92.0#

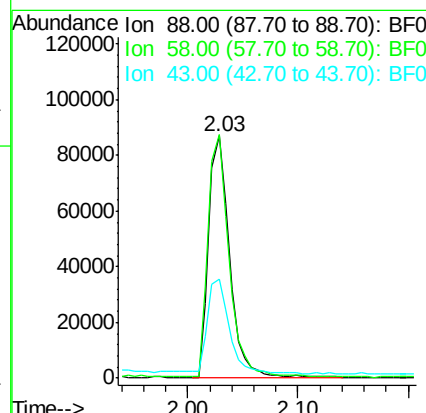
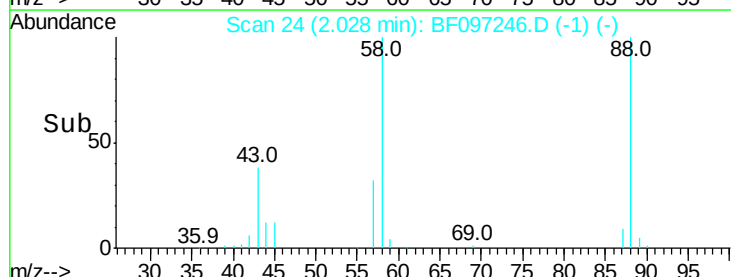
43 39.9 23.4 35.0#

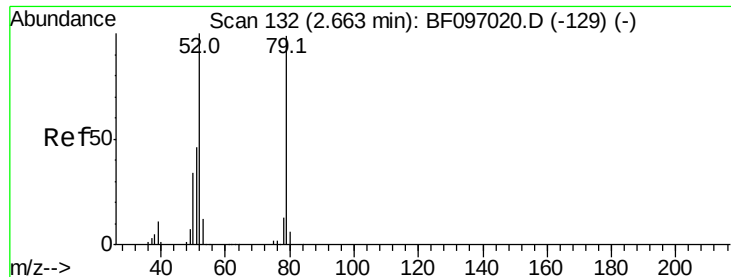


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





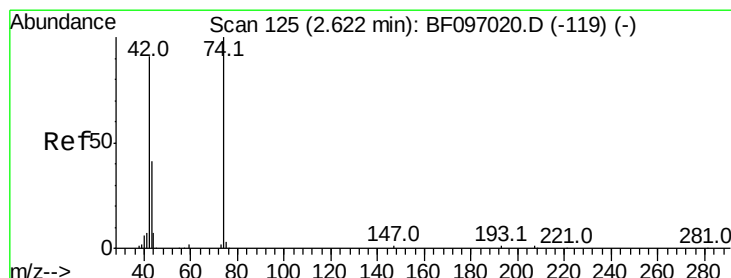
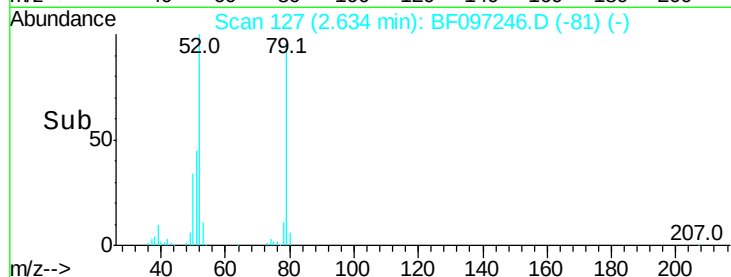
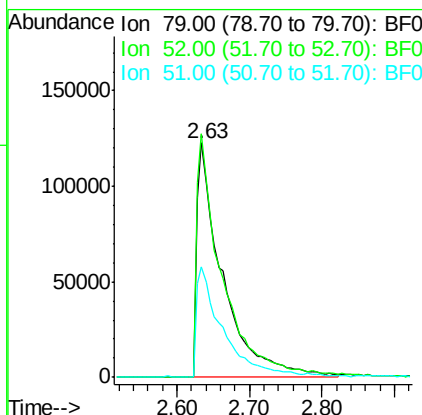
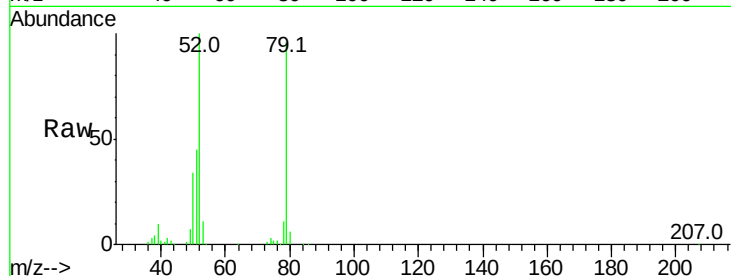
#3
 Pvrindine
 Concen: 35.621 ng
 RT: 2.63 min Scan# 127
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	103.8	54.8	82.2#
51	46.8	27.0	40.4#

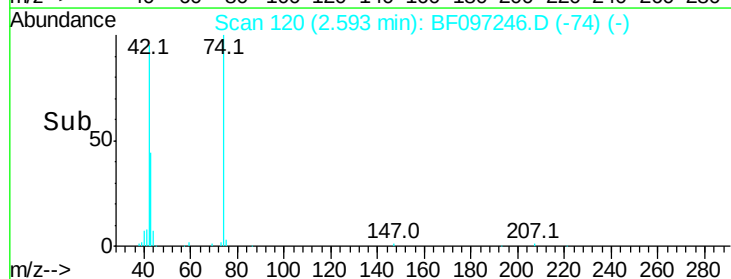
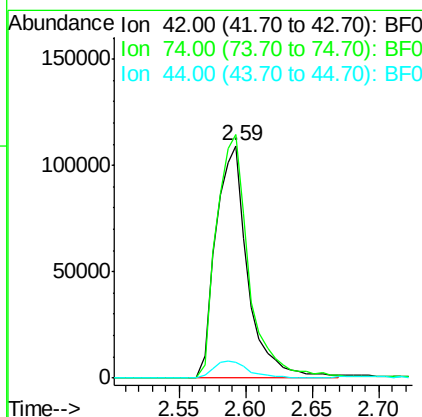
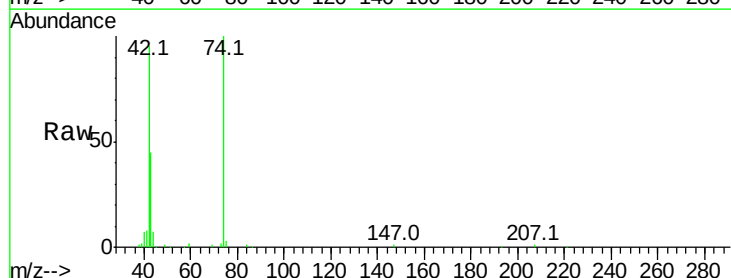
Manual Integrations
 APPROVED

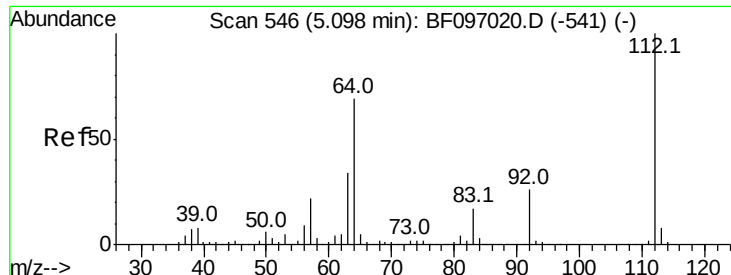
Sohil
 8/2/2017 7:15:26 PM



#4
 n-Nitrosodimethylamine
 Concen: 38.961 ng
 RT: 2.59 min Scan# 120
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
42	100		
74	104.9	103.9	155.9
44	7.0	5.7	8.5





#5

2-Fluorophenol

Concen: 119.402 ng

RT: 5.08 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

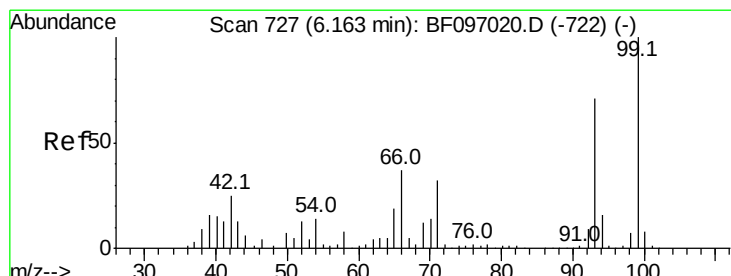
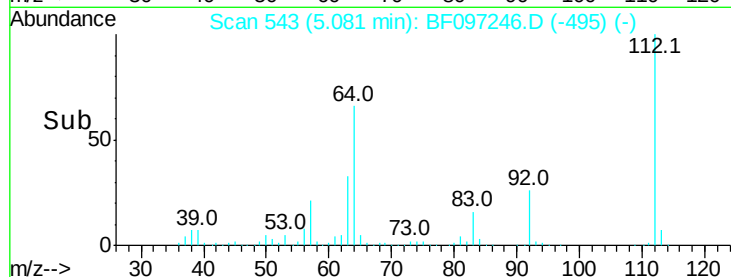
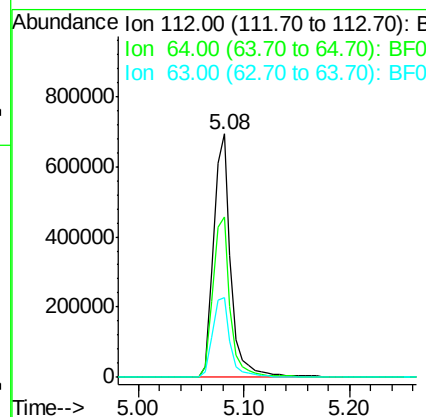
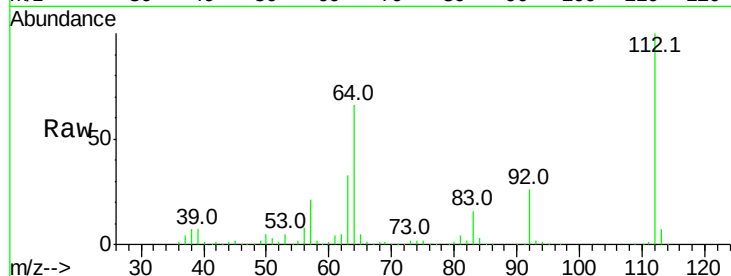
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	112	Resp:	799280
Ion Ratio	Lower	Upper	
112	100		
64	66.0	46.0	69.0
63	32.9	23.4	35.0

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#6

Aniline

Concen: 30.180 ng

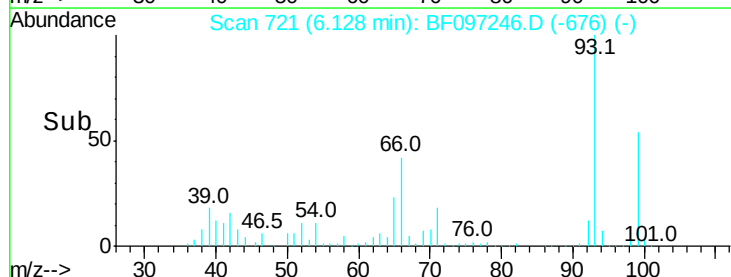
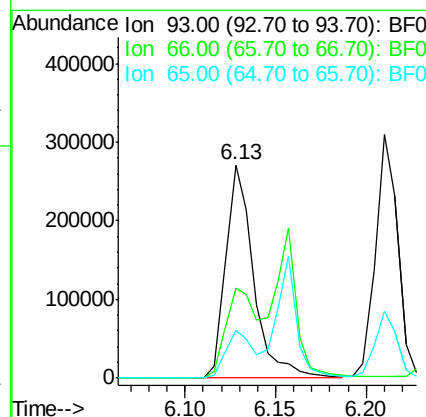
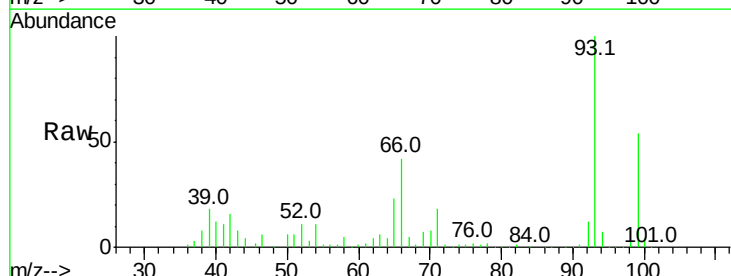
RT: 6.13 min Scan# 721

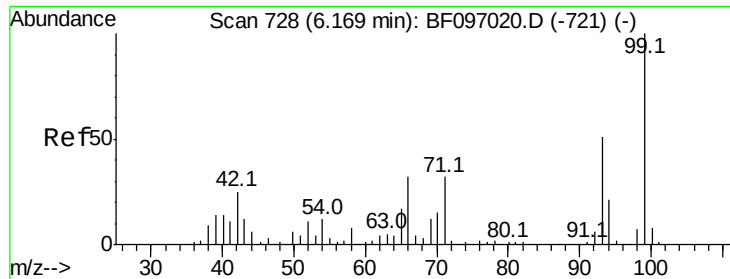
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	93	Resp:	290227
Ion Ratio	Lower	Upper	
93	100		
66	42.4	32.9	49.3
65	22.5	16.0	24.0





#7

Phenol-d6

Concen: 115.242 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

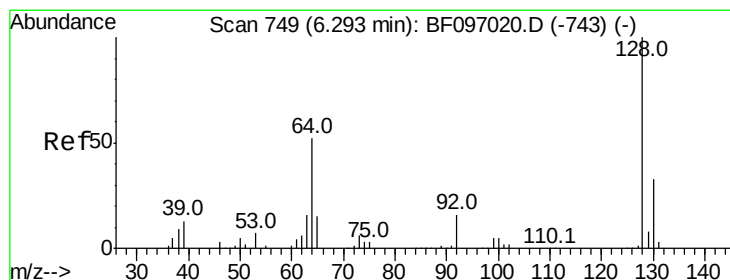
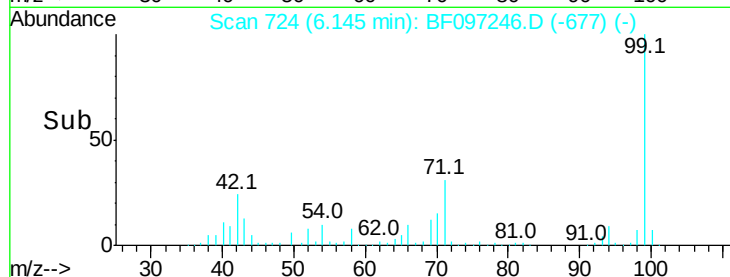
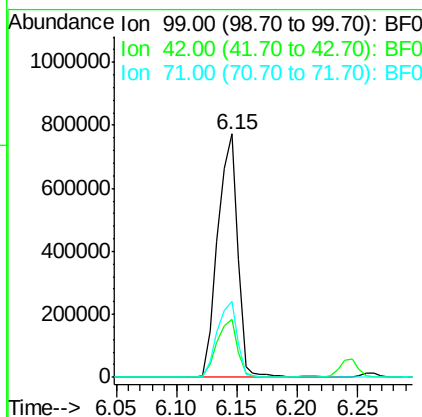
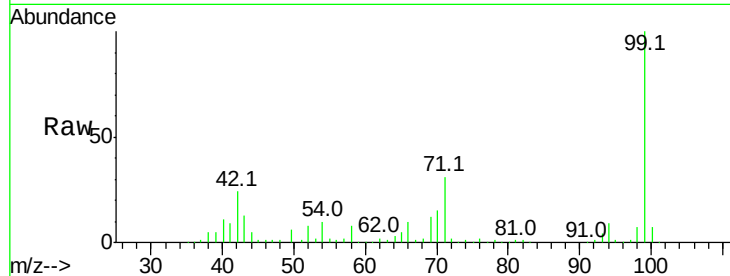
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	99	Resp:	880684
Ion Ratio	Lower	Upper	
99	100		
42	23.6	13.5	20.3#
71	31.4	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#8

2-Chlorophenol

Concen: 36.906 ng

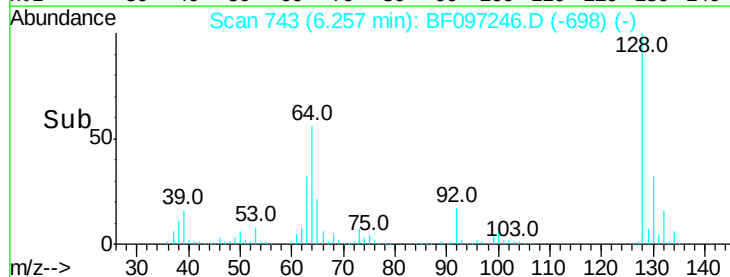
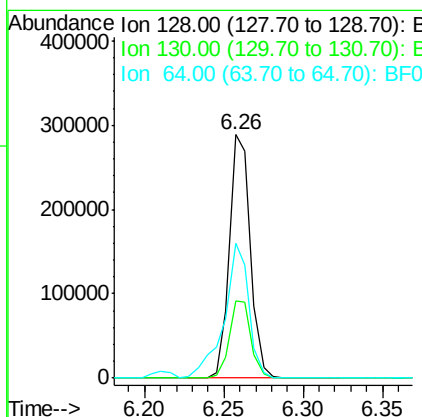
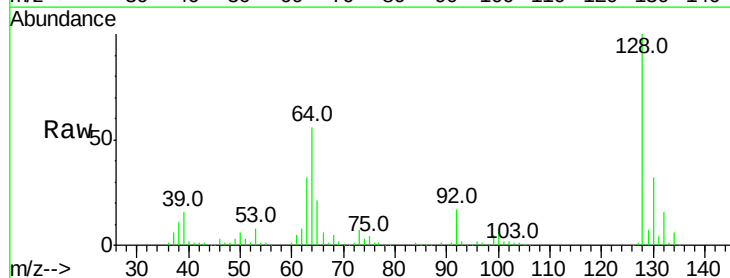
RT: 6.26 min Scan# 743

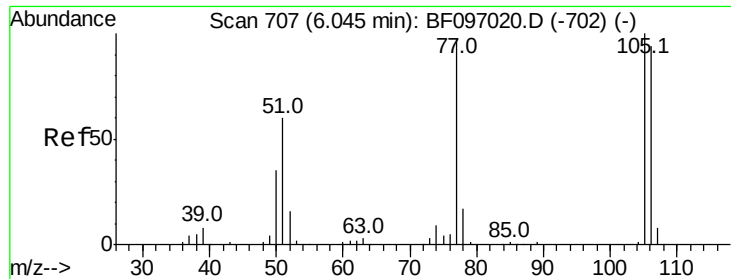
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	128	Resp:	264168
Ion Ratio	Lower	Upper	
128	100		
130	31.7	12.9	52.9
64	55.6	28.4	68.4





#9

Benzaldehyde

Concen: 42.849 ng

RT: 6.01 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion: 77 Resp: 193823

Ion Ratio Lower Upper

77 100

105 101.9 83.8 123.8

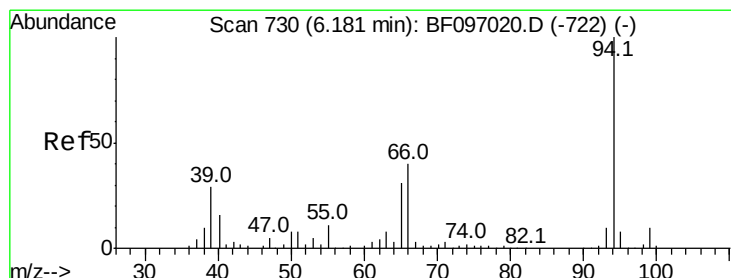
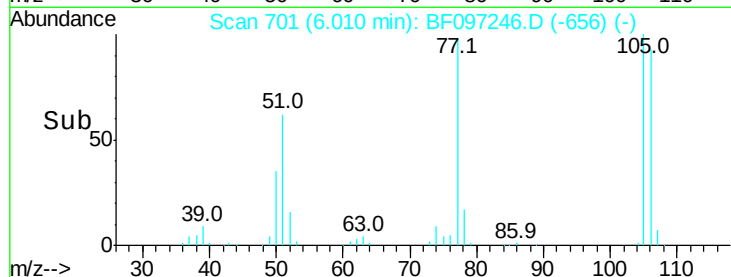
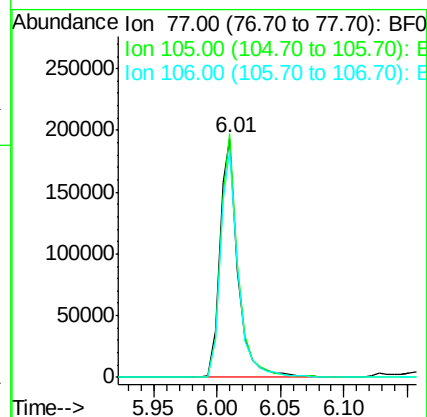
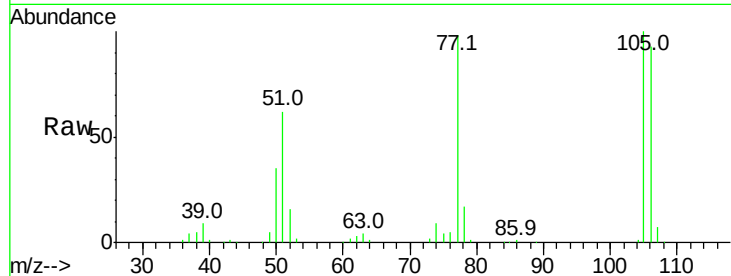
106 95.1 79.1 119.1

Manual Integrations

APPROVED

Sohil

8/2/2017 7:15:26 PM



#10

Phenol

Concen: 45.393 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

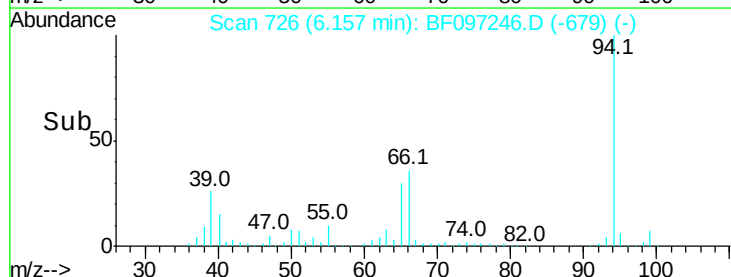
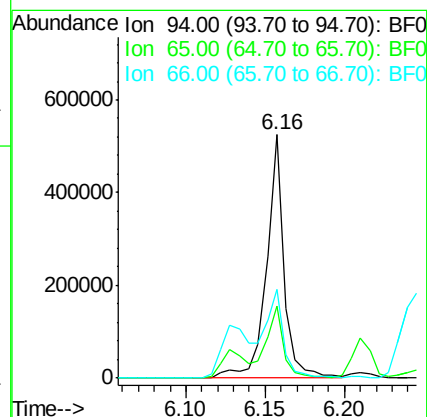
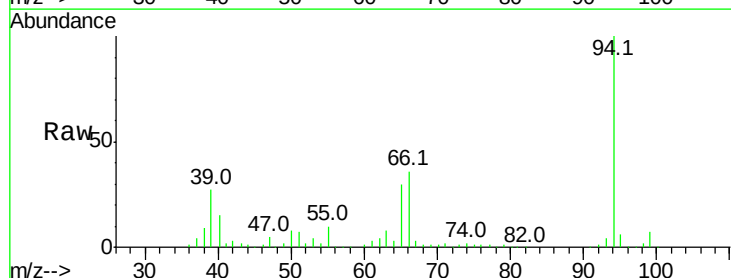
Tgt Ion: 94 Resp: 411470

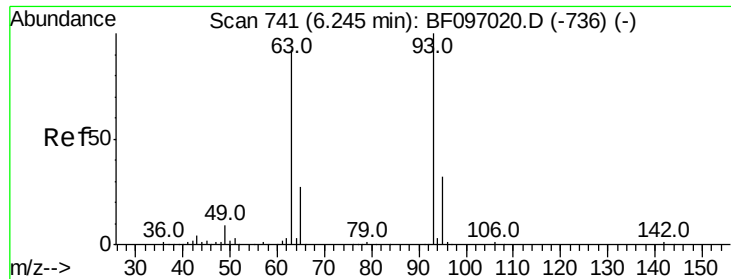
Ion Ratio Lower Upper

94 100

65 29.5 9.9 49.9

66 36.3 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 36.539 ng

RT: 6.21 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

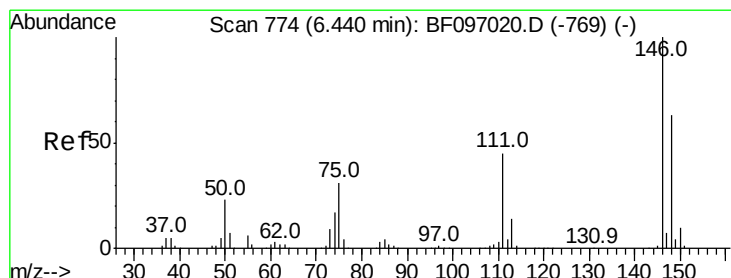
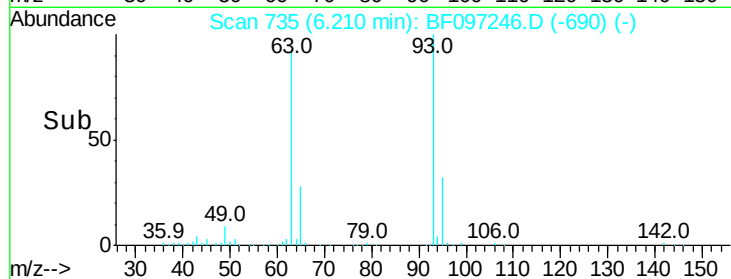
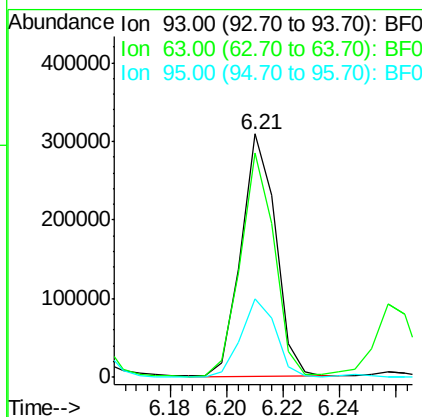
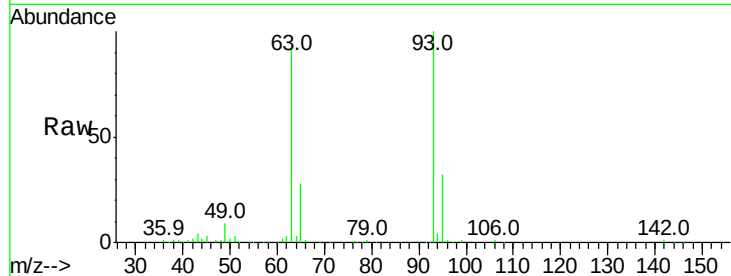
ClientSampleId :

HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	92.3	59.2	99.2
95	32.3	12.8	52.8

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#12

1,3-Dichlorobenzene

Concen: 36.168 ng

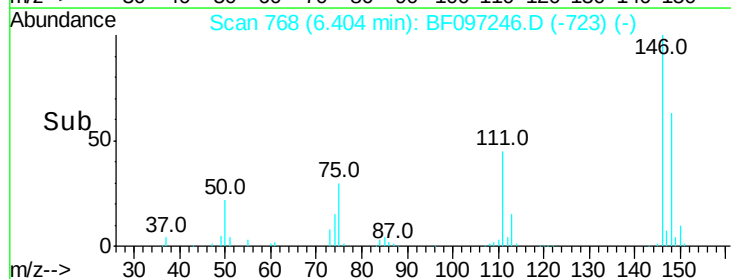
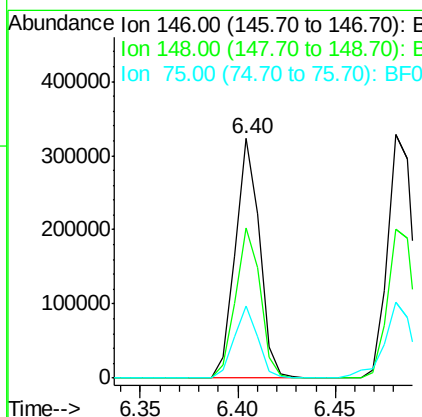
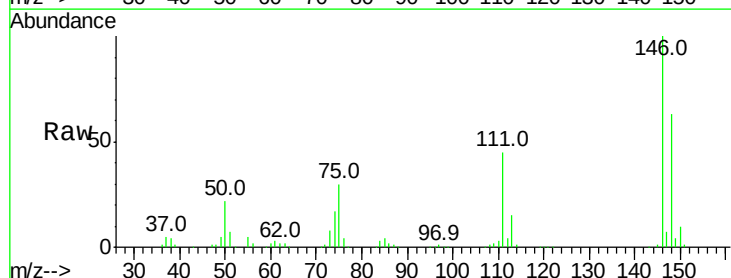
RT: 6.40 min Scan# 768

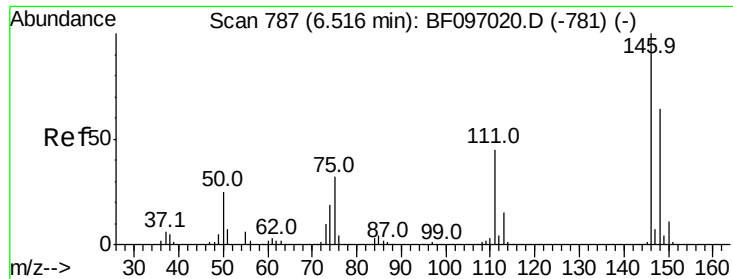
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
75	30.3	23.1	34.7





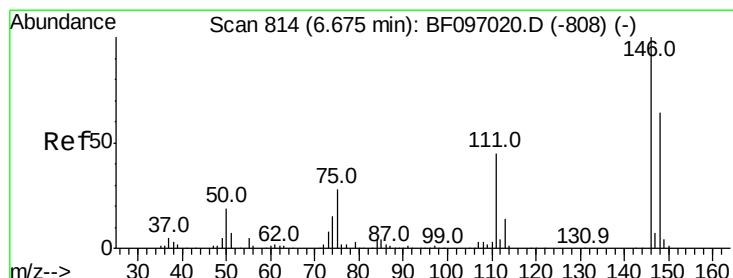
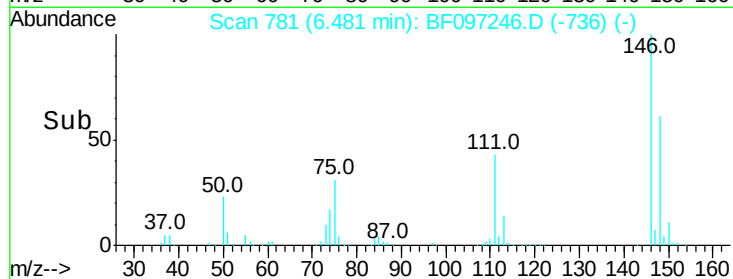
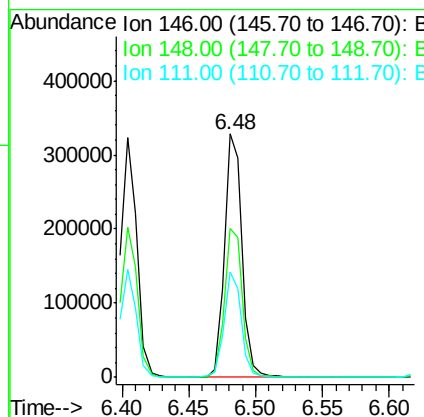
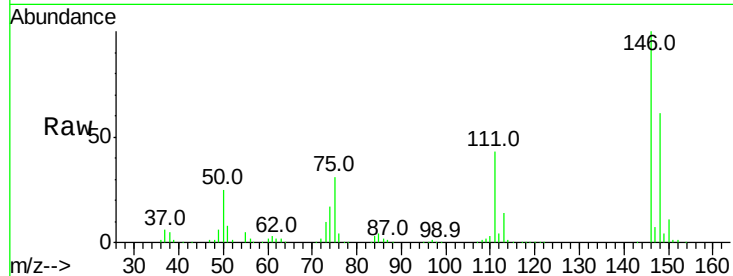
#13
 1,4-Dichlorobenzene
 Concen: 39.832 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.3	52.2	78.2
111	43.4	30.3	45.5

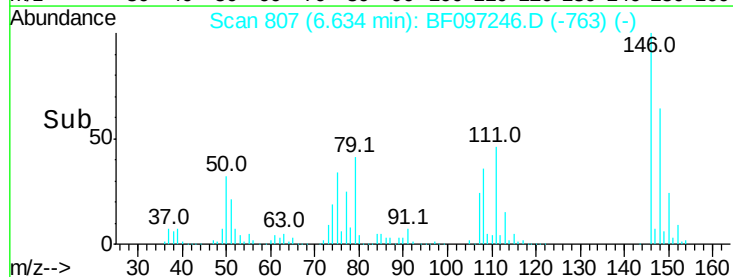
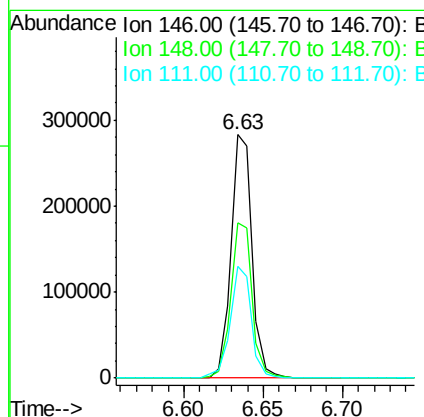
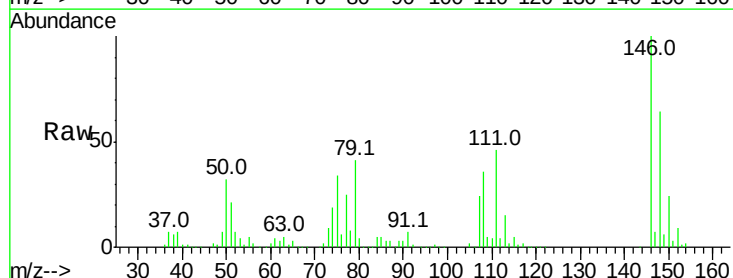
Manual Integrations
 APPROVED

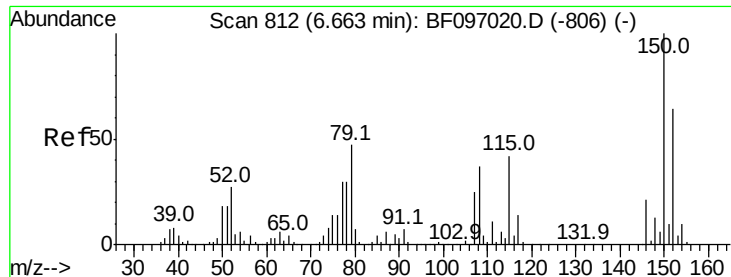
Sohil
 8/2/2017 7:15:26 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.895 ng
 RT: 6.63 min Scan# 807
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	45.7	38.2	57.4





#15

Benzyl Alcohol

Concen: 44.136 ng

RT: 6.63 min Scan# 806

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion: 79 Resp: 213548

Ion Ratio Lower Upper

79 100

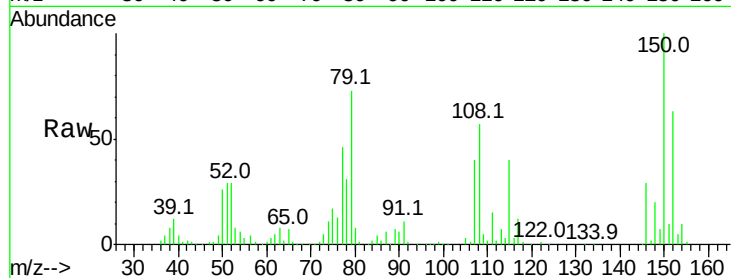
108 77.6 63.4 95.0

77 63.1 49.2 73.8

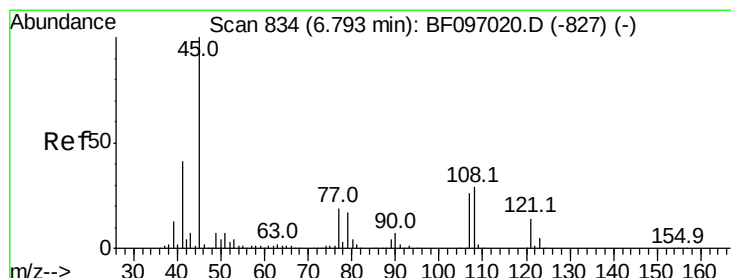
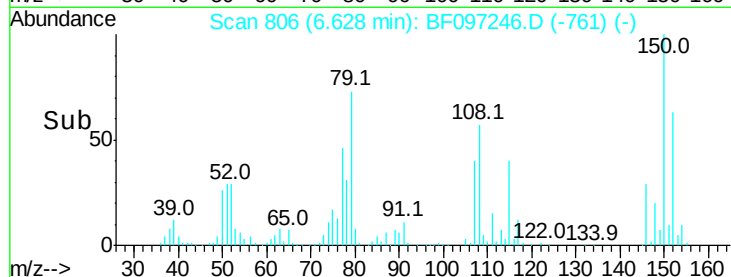
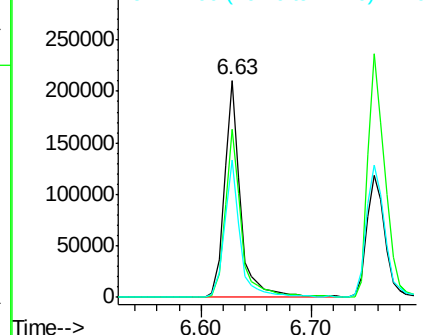
Manual Integrations
APPROVED

Sohil

8/2/2017 7:15:26 PM



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.609 ng

RT: 6.76 min Scan# 828

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

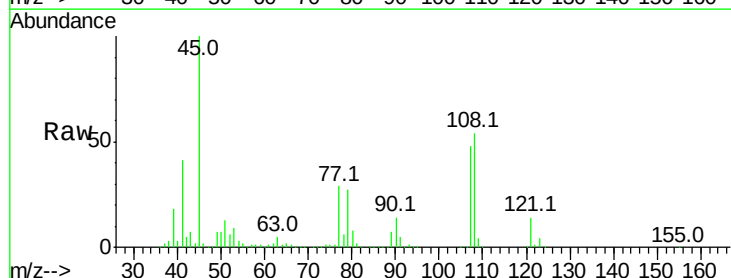
Tgt Ion: 45 Resp: 598317

Ion Ratio Lower Upper

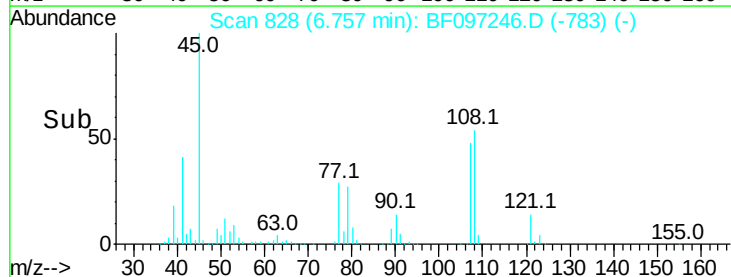
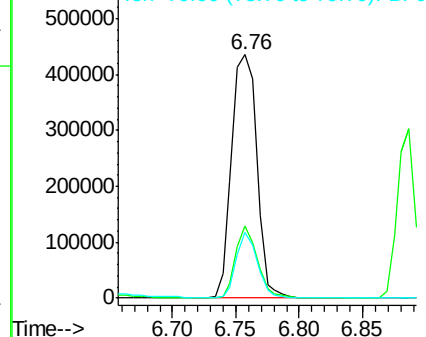
45 100

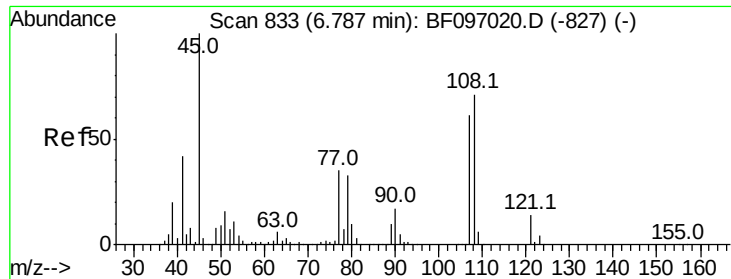
77 29.4 0.0 33.2

79 27.2 0.0 30.0



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





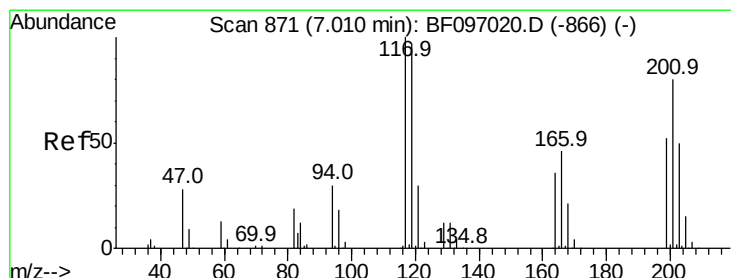
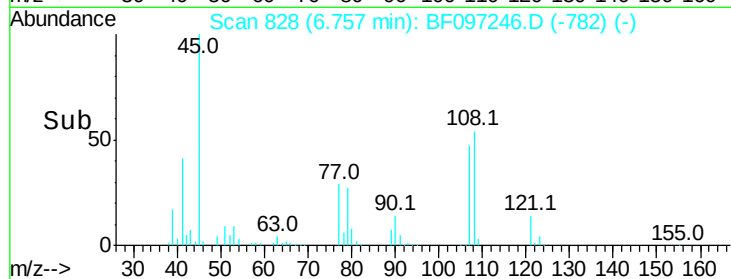
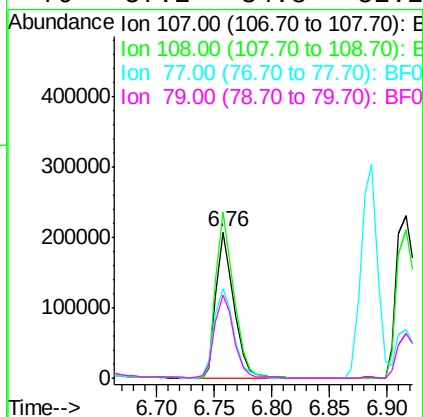
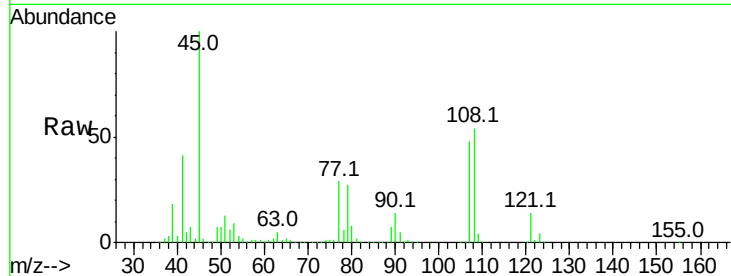
#17
2-Methylphenol
Concen: 40.487 ng
RT: 6.76 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	114.0	93.4	140.0
77	61.6	35.8	53.6#
79	57.2	34.8	52.2#

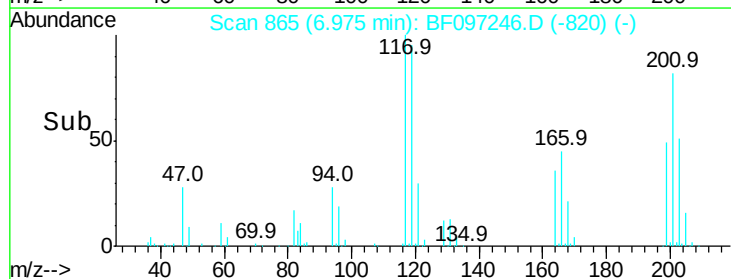
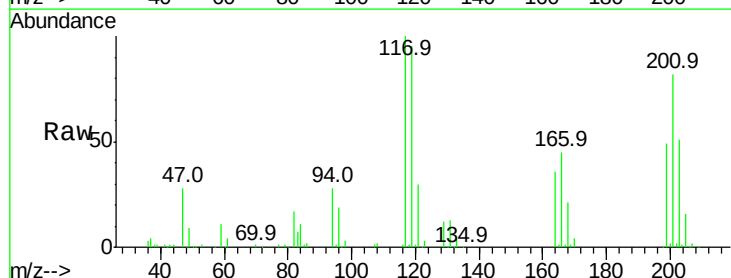
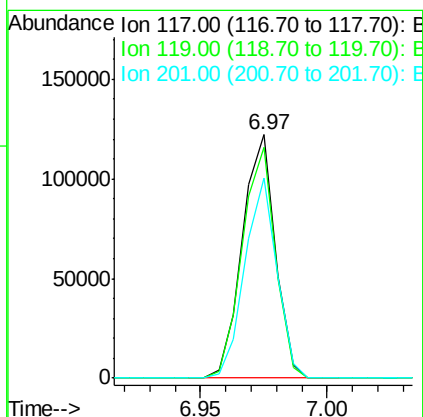
Manual Integrations
APPROVED

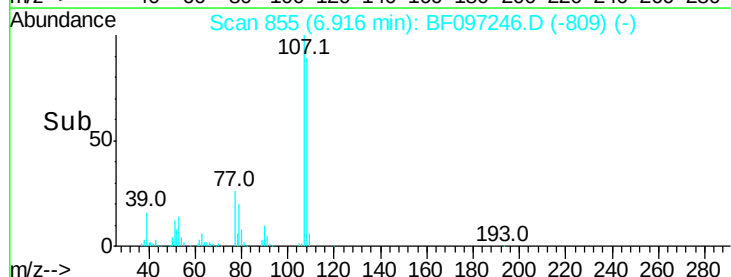
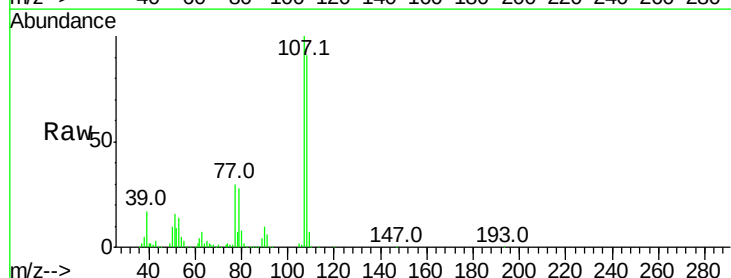
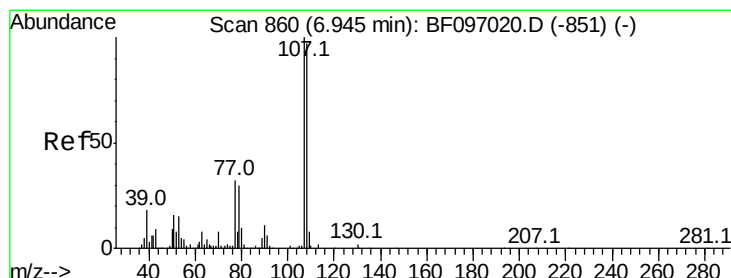
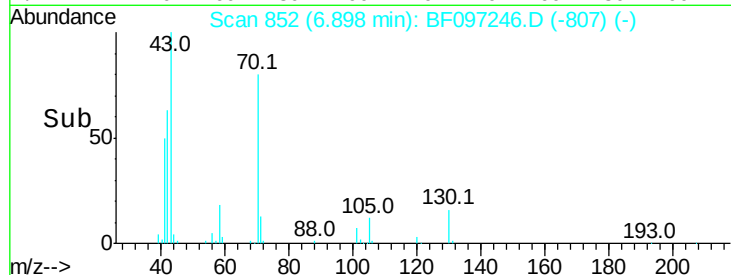
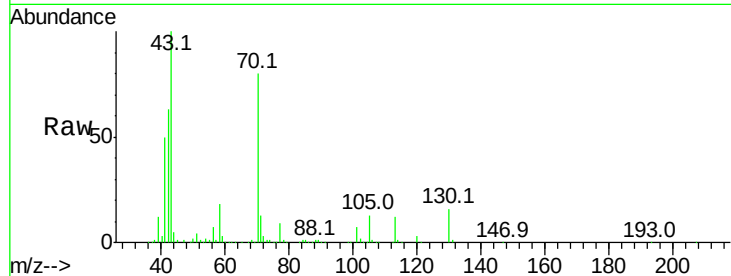
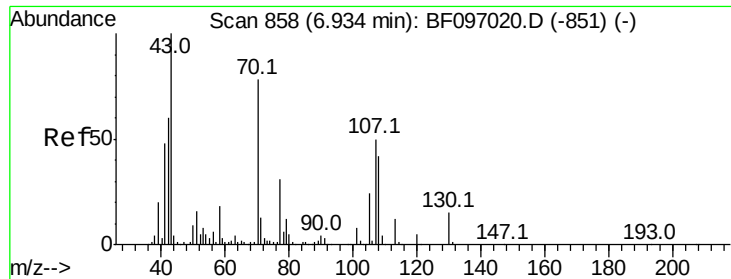
Sohil
8/2/2017 7:15:26 PM



#18
Hexachloroethane
Concen: 39.521 ng
RT: 6.97 min Scan# 865
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	95.0	77.4	116.0
201	82.2	94.6	141.8#





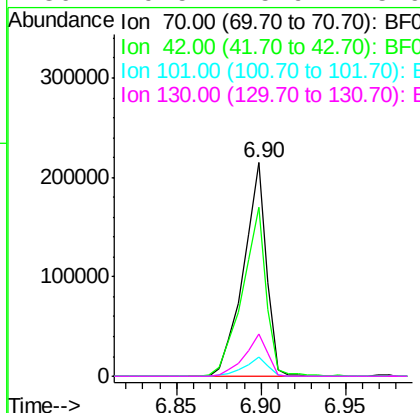
#19
n-Nitroso-di-n-propylamine
Concen: 40.750 ng
RT: 6.90 min Scan# 852
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	79.0	47.2	70.8#		
101	8.9	7.2	10.8		
130	19.5	15.9	23.9		

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

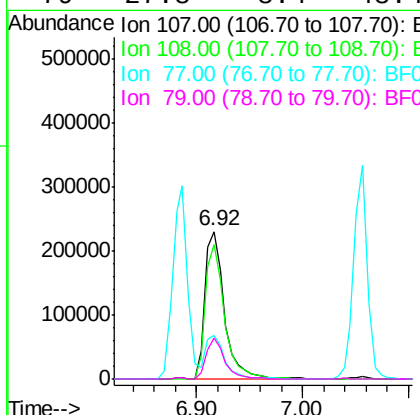
Manual Integrations
APPROVED

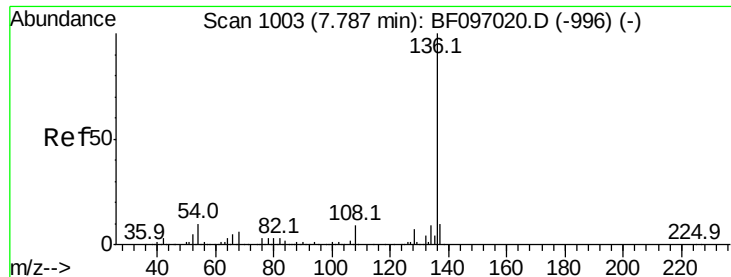
Sohil
8/2/2017 7:15:26 PM



#20
3+4-Methylphenols
Concen: 40.683 ng
RT: 6.92 min Scan# 855
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	91.2	71.0	111.0		
77	29.8	90.5	130.5#		
79	27.8	8.4	48.4		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

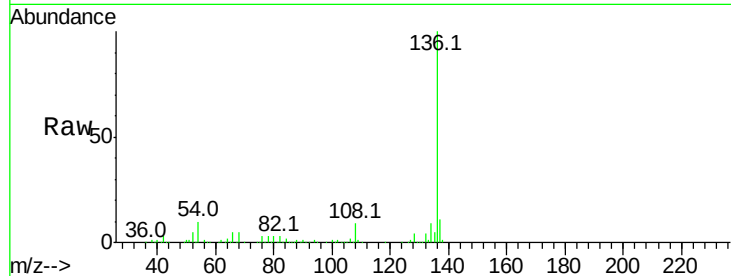
ClientSampleId :

HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	423631		
137	10.7	8.5	12.7	
54	9.7	4.9	7.3	
68	5.3	4.1	6.1	

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM

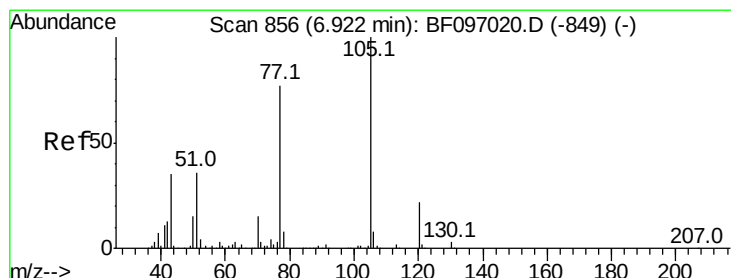
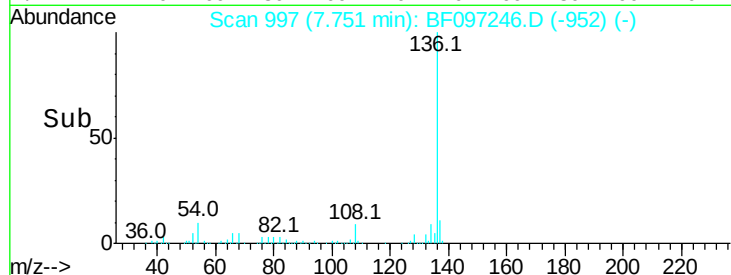
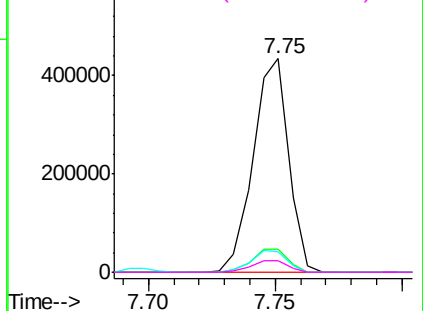


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 39.198 ng

RT: 6.89 min Scan# 850

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

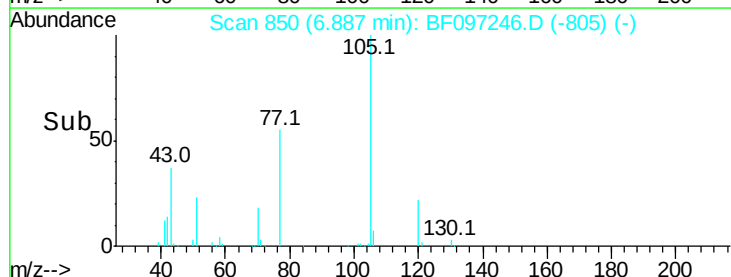
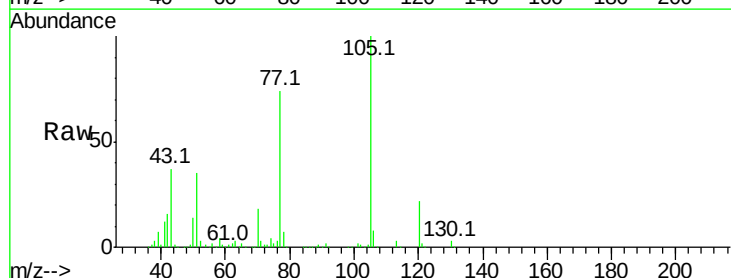
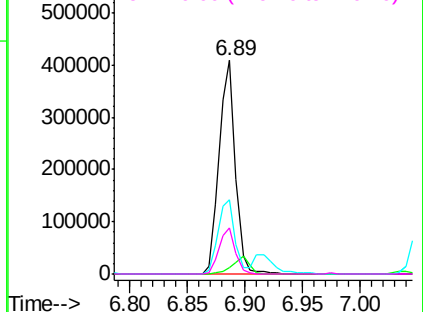
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398776		
71	3.1	2.8	4.2	
51	34.9	30.7	46.1	
120	21.7	17.4	26.0	

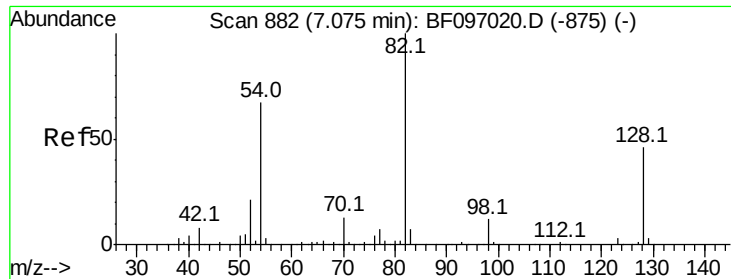
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





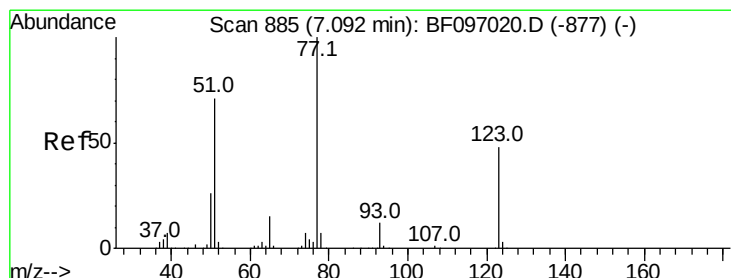
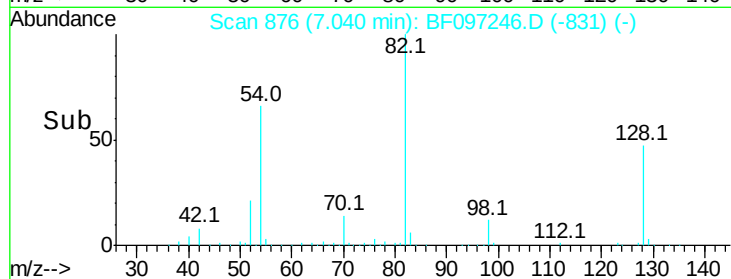
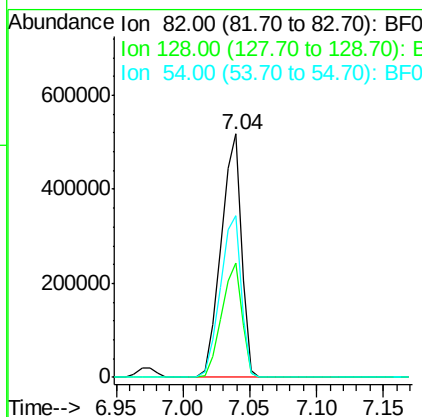
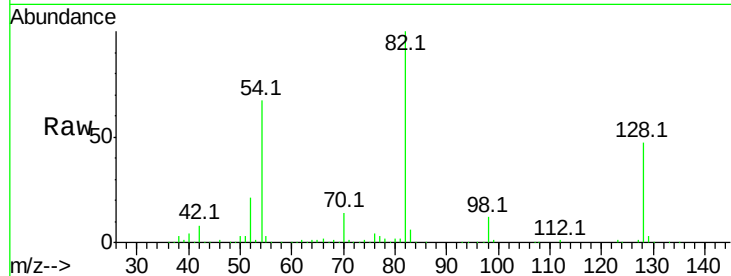
#23
 Nitrobenzene-d5
 Concen: 77.684 ng
 RT: 7.04 min Scan# 876
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion:	82	Resp:	560982
Ion Ratio	Lower	Upper	
82	100		
128	46.9	34.0	51.0
54	66.5	42.2	63.2#

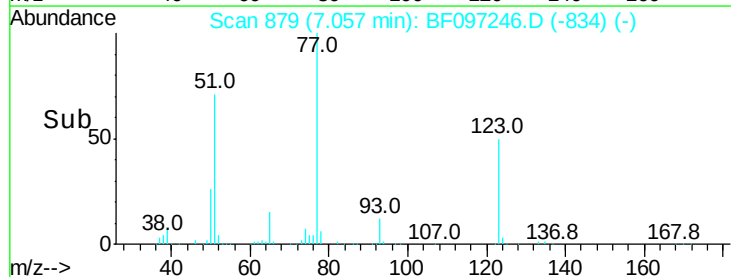
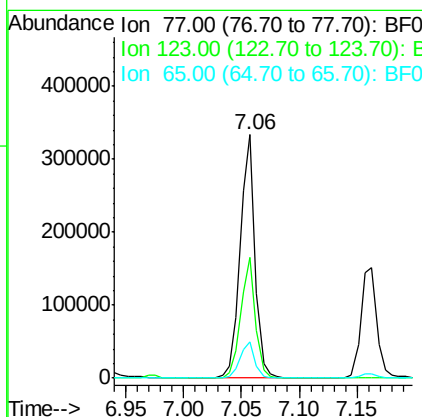
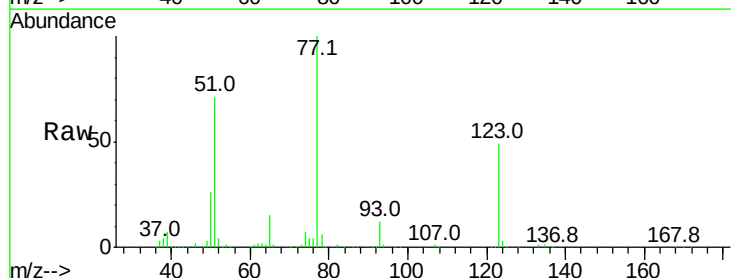
Manual Integrations
 APPROVED

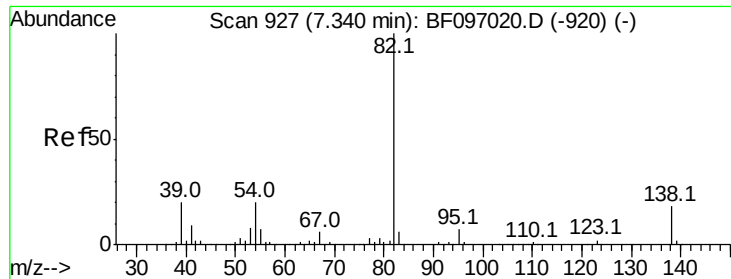
Sohil
 8/2/2017 7:15:26 PM



#24
 Nitrobenzene
 Concen: 39.714 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:	77	Resp:	298684
Ion Ratio	Lower	Upper	
77	100		
123	49.5	35.8	53.8
65	15.1	10.6	15.8





#25

Isophorone

Concen: 35.971 ng

RT: 7.30 min Scan# 920

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

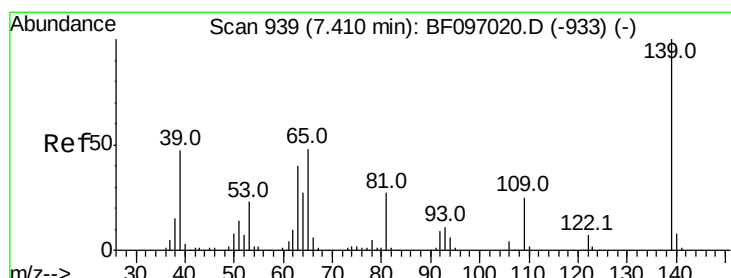
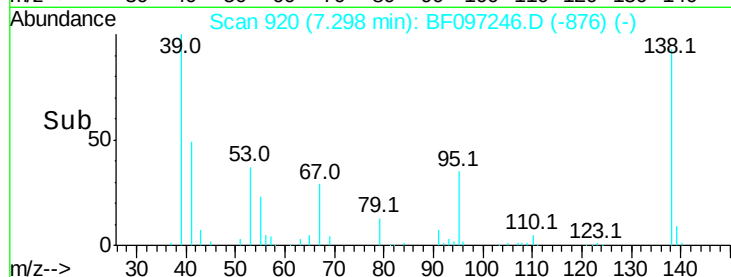
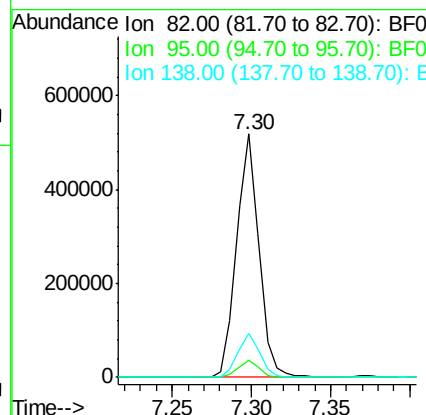
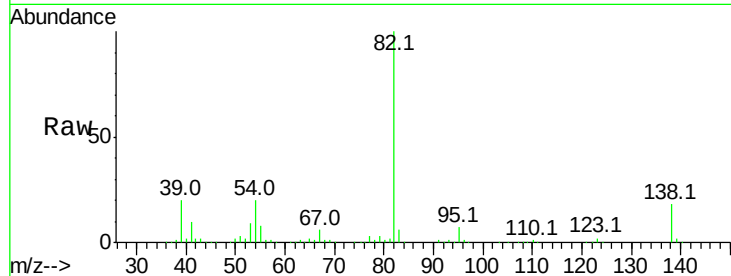
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	82	Resp:	508708
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.2	13.1	19.7

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#26

2-Nitrophenol

Concen: 35.909 ng

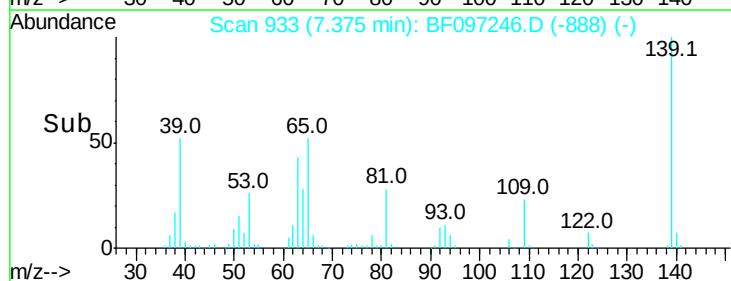
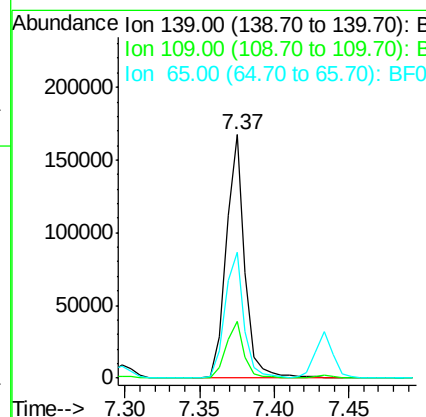
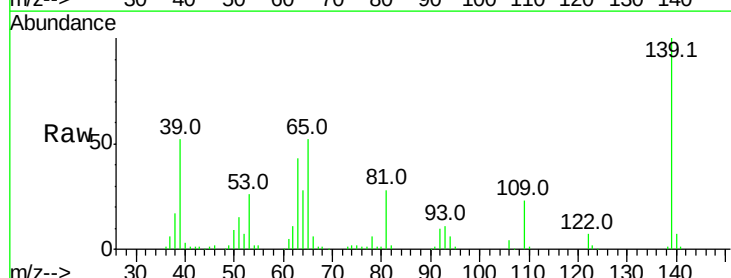
RT: 7.37 min Scan# 933

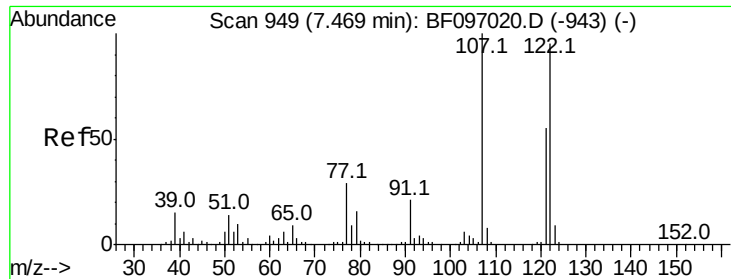
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	139	Resp:	146111
Ion Ratio		Lower	Upper
139	100		
109	23.3	21.0	31.6
65	51.9	33.0	49.6





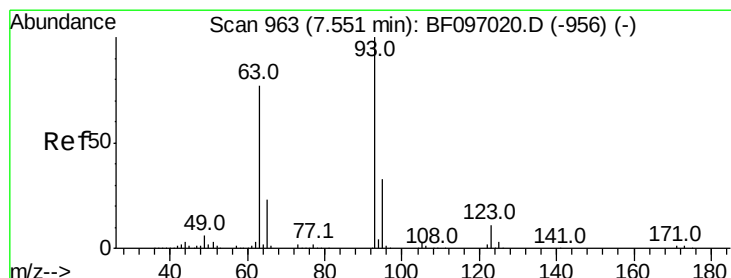
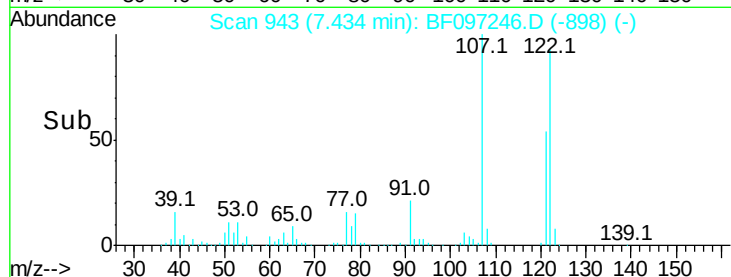
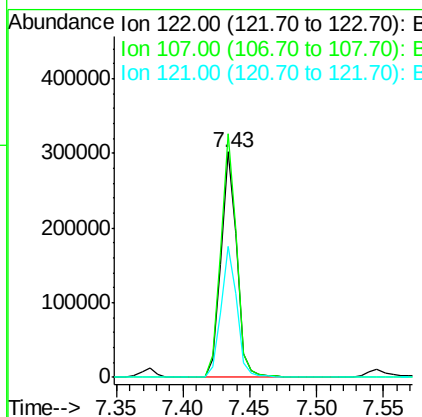
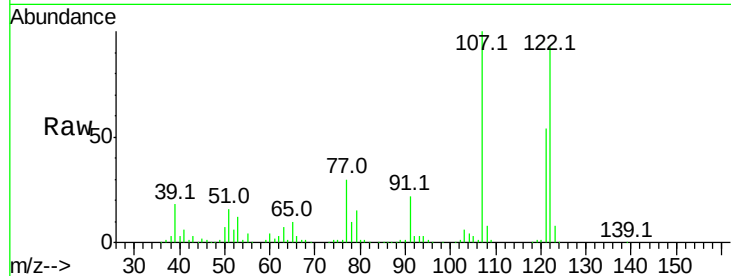
#27
2,4-Dimethylphenol
Concen: 38.139 ng
RT: 7.43 min Scan# 943
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.0	89.2	133.8
121	58.1	45.2	67.8

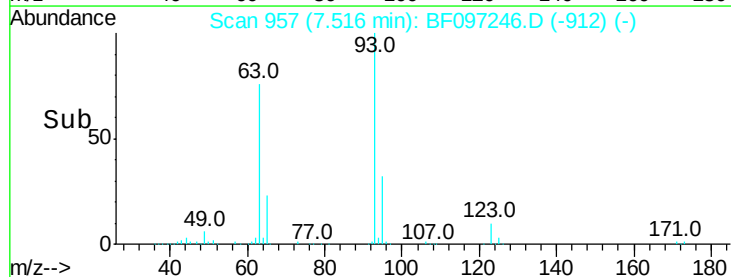
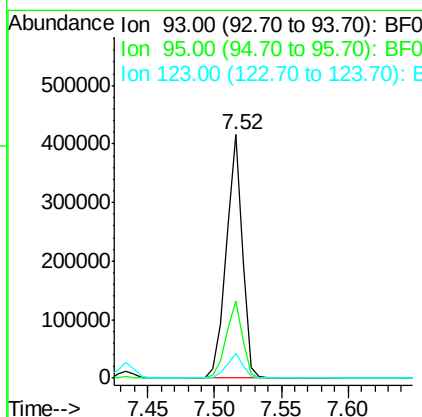
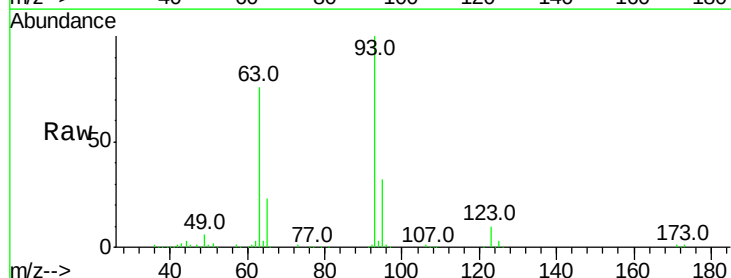
Manual Integrations
APPROVED

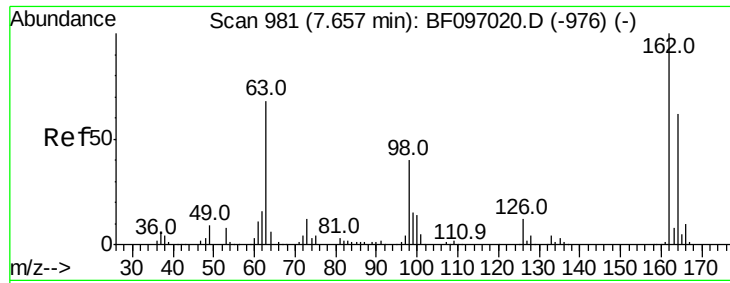
Sohil
8/2/2017 7:15:26 PM



#28
bis(2-Chloroethoxy)methane
Concen: 38.650 ng
RT: 7.52 min Scan# 957
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.5	39.7
123	10.1	9.0	13.4





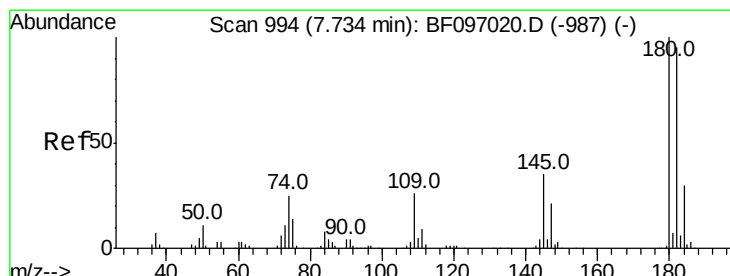
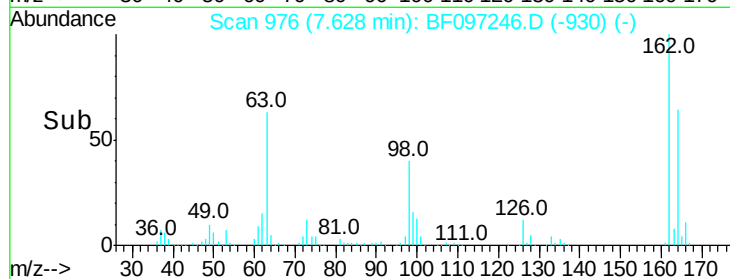
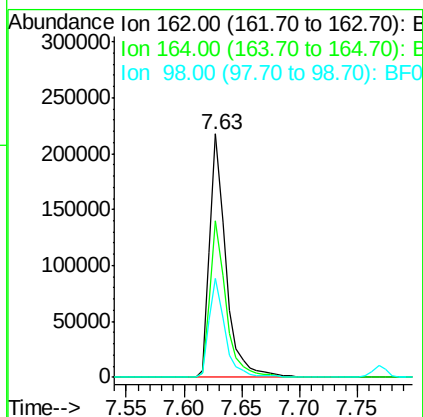
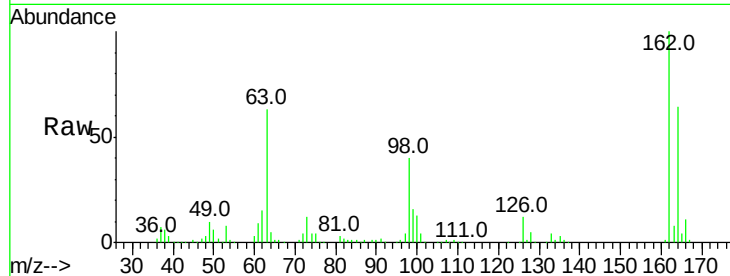
#29
2,4-Dichlorophenol
Concen: 37.002 ng
RT: 7.63 min Scan# 976
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	213956		
164	64.4	44.6	84.6	
98	40.5	14.8	54.8	

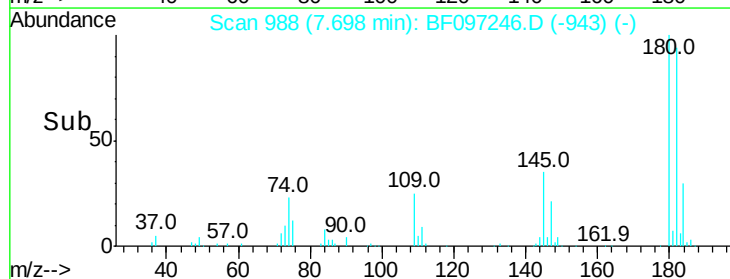
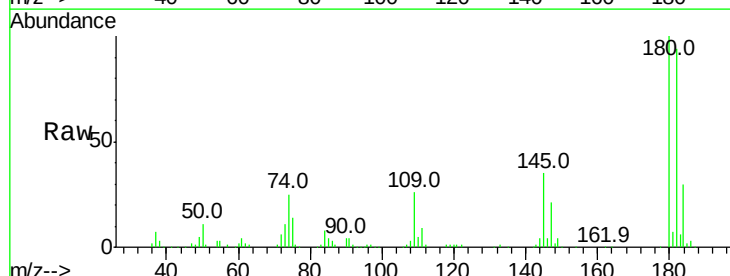
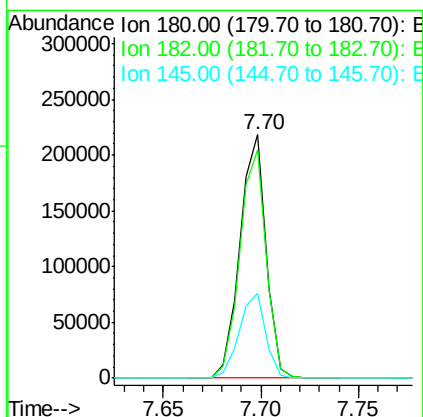
Manual Integrations
APPROVED

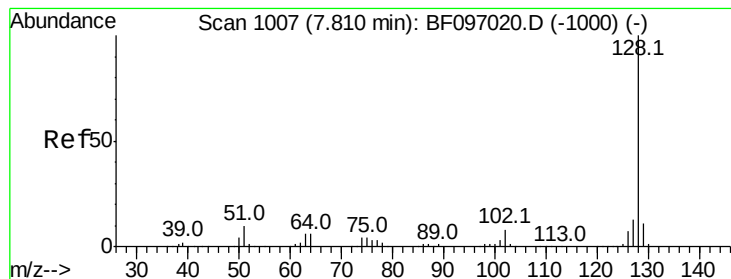
Sohil
8/2/2017 7:15:26 PM



#30
1,2,4-Trichlorobenzene
Concen: 36.506 ng
RT: 7.70 min Scan# 988
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201204		
182	93.7	75.8	113.6	
145	34.7	25.3	37.9	





#31

Naphthalene

Concen: 37.669 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

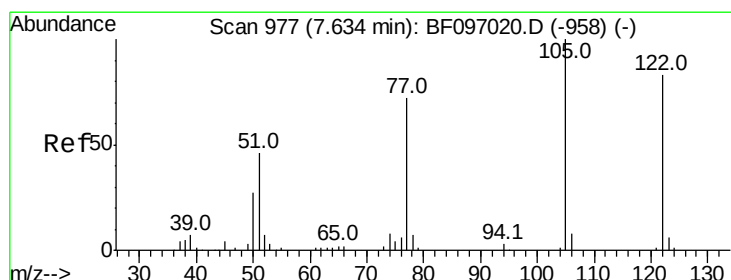
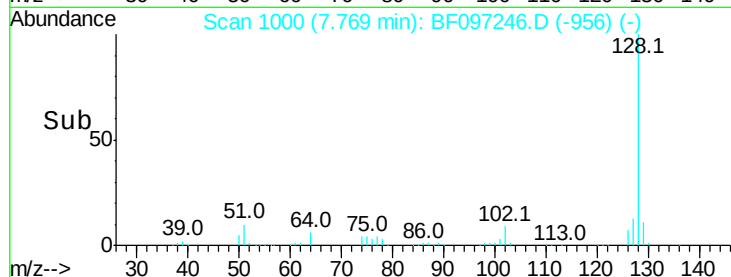
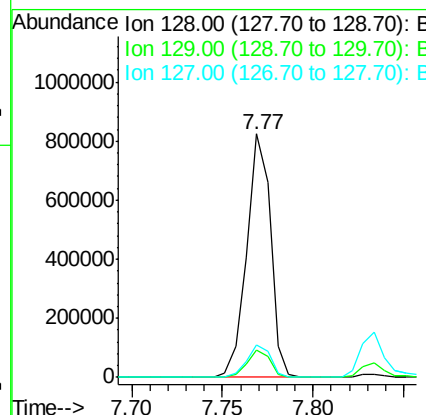
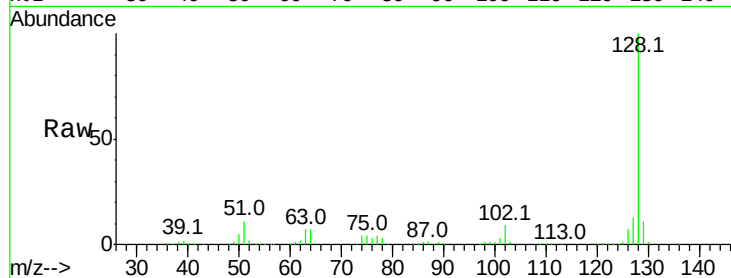
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	128	Resp:	752232
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	13.4	10.8	16.2

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#32

Benzoic acid

Concen: 2.843 ng

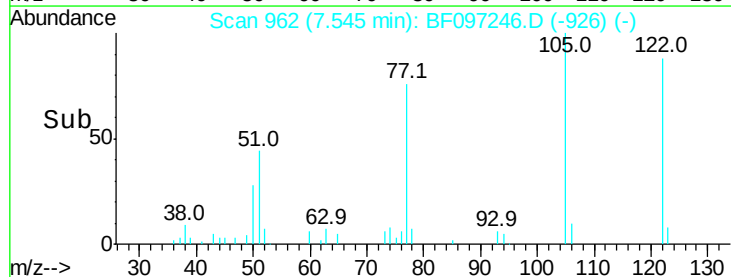
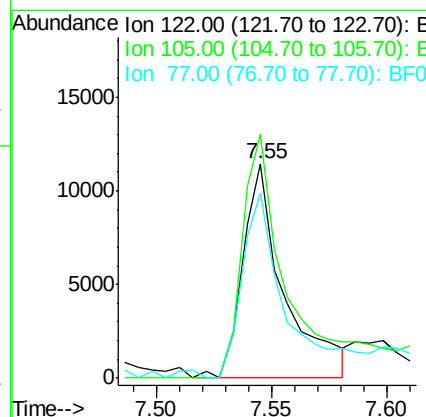
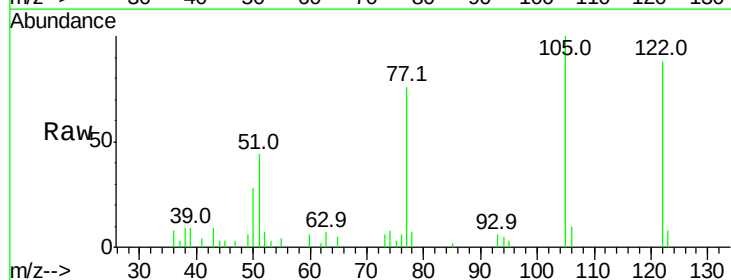
RT: 7.55 min Scan# 962

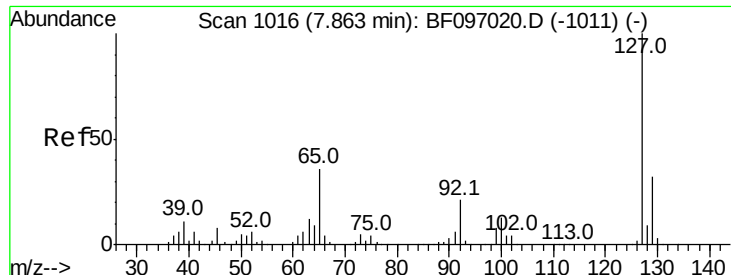
Delta R.T. -0.09 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	122	Resp:	14247
Ion Ratio	Lower	Upper	
122	100		
105	113.6	103.3	143.3
77	86.4	73.7	113.7





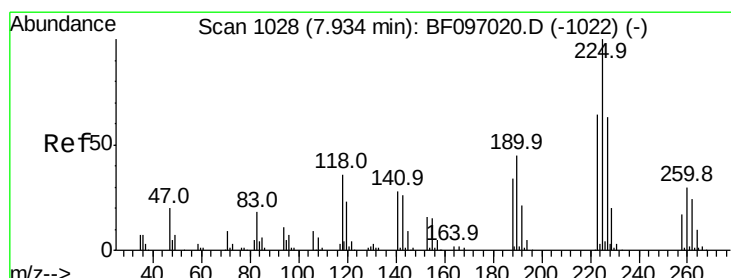
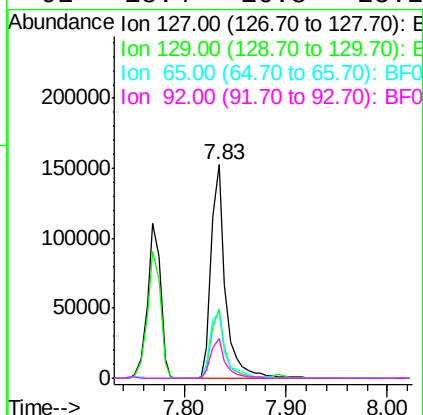
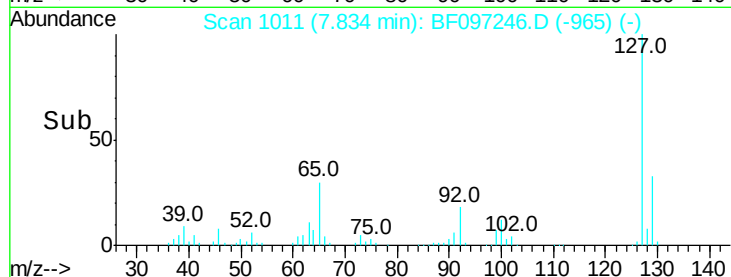
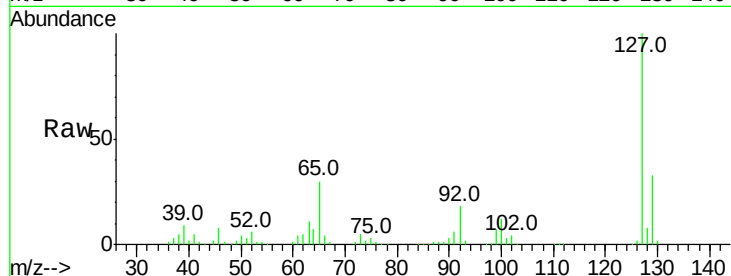
#33
4-Chloroaniline
Concen: 18.608 ng
RT: 7.83 min Scan# 1011
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	26.2	39.2	
65	30.5	27.8	41.8	
92	18.4	16.8	25.2	

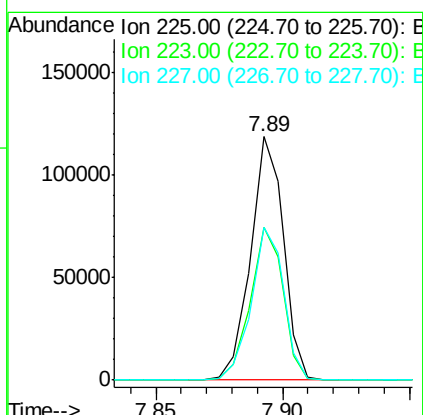
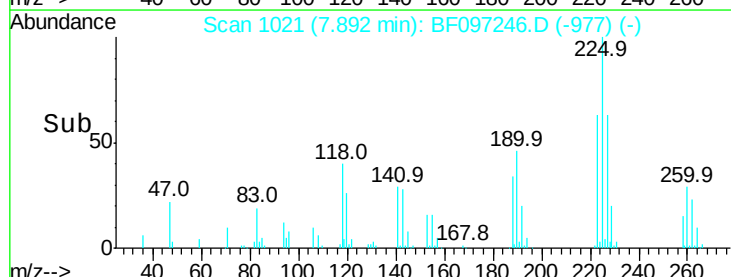
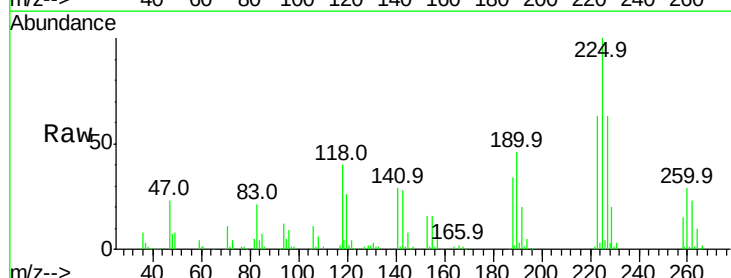
Manual Integrations
APPROVED

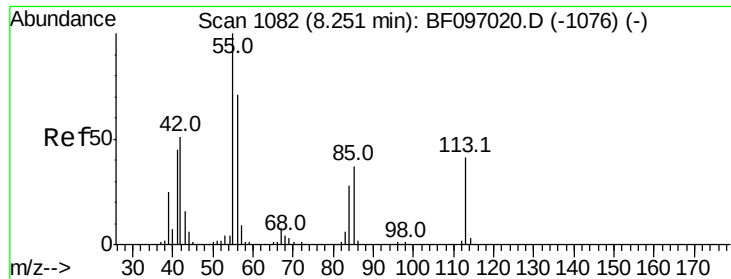
Sohil
8/2/2017 7:15:26 PM



#34
Hexachlorobutadiene
Concen: 36.678 ng
RT: 7.89 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	48.8	73.2	
227	62.8	51.1	76.7	





#35

Caprolactam

Concen: 37.650 ng/mL

RT: 8.19 min Scan# 1072

Delta R.T. -0.06 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:113 Resp: 69808

Ion Ratio Lower Upper

113 100

55 251.5 150.2 190.2#

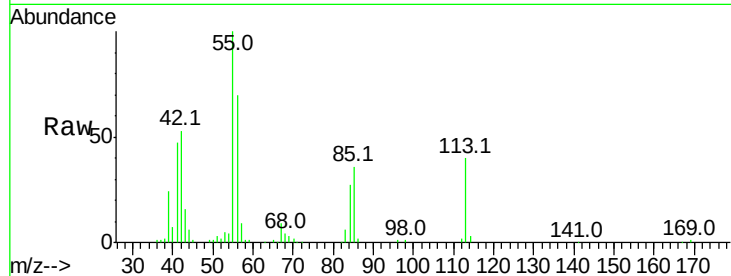
56 177.0 107.8 147.8#

Manual Integrations

APPROVED

Sohil

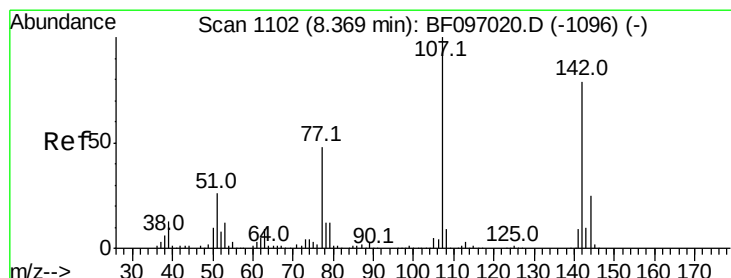
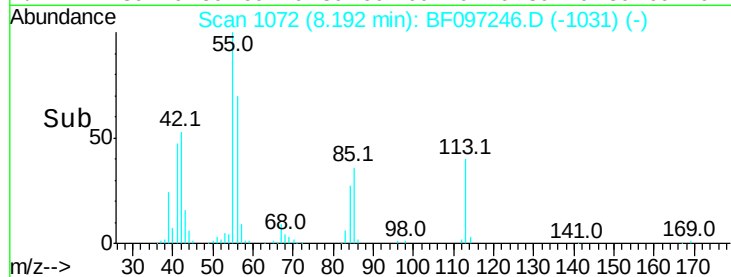
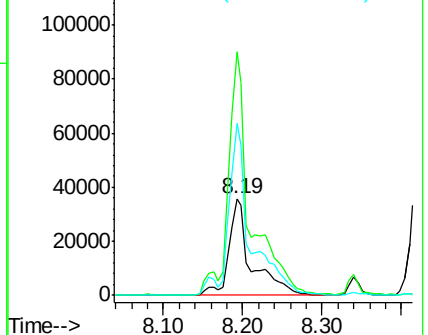
8/2/2017 7:15:26 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 36.128 ng/mL

RT: 8.34 min Scan# 1097

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

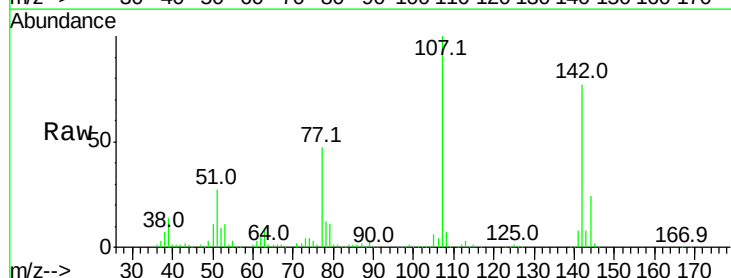
Tgt Ion:107 Resp: 227905

Ion Ratio Lower Upper

107 100

144 24.4 24.2 36.4

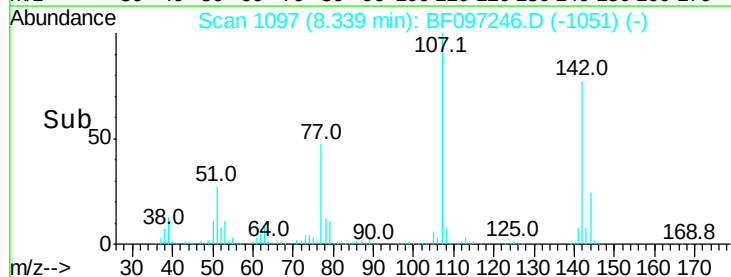
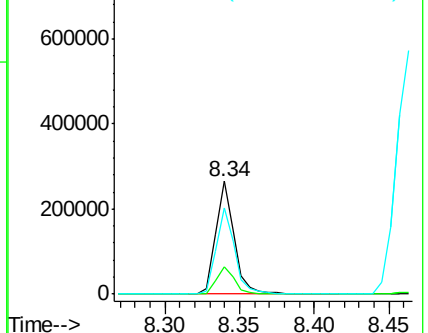
142 76.6 73.4 110.0

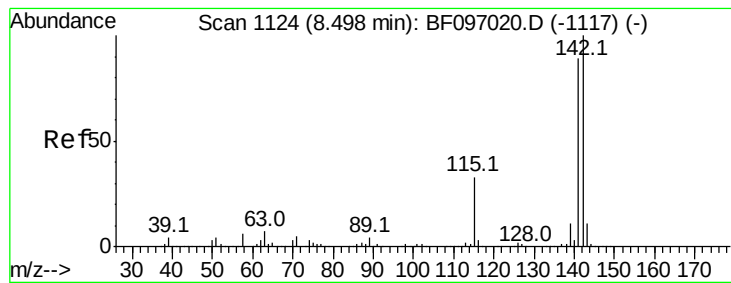


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





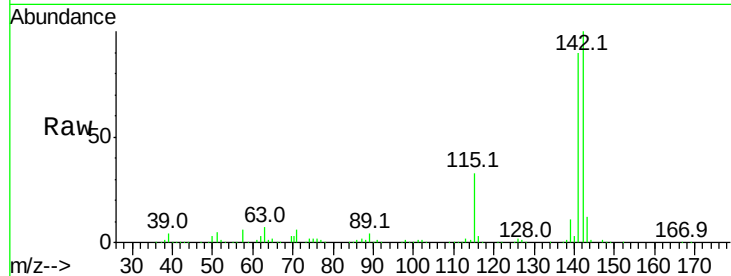
#37
 2-Methylnaphthalene
 Concen: 40.586 ng
 RT: 8.46 min Scan# 1118
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

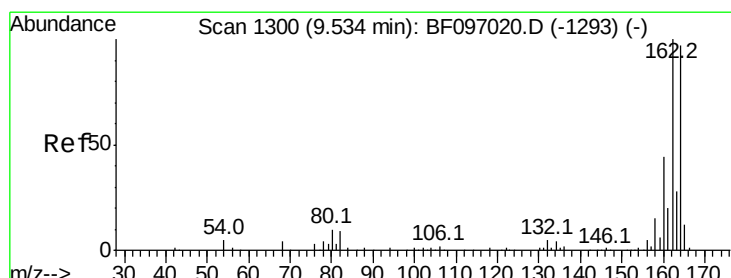
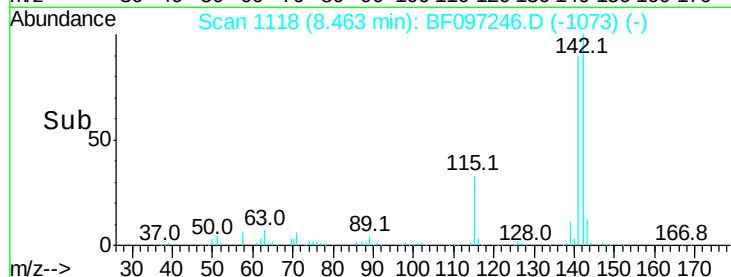
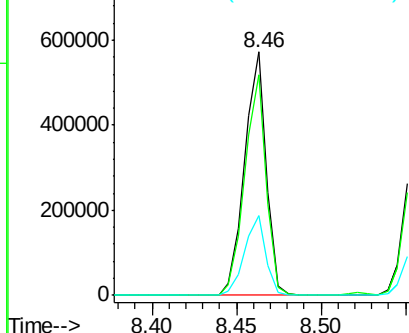
Tot Ion	Ratio	Resp	Lower	Upper
142	100	513159		
141	90.4	71.3	106.9	
115	32.7	27.1	40.7	

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM

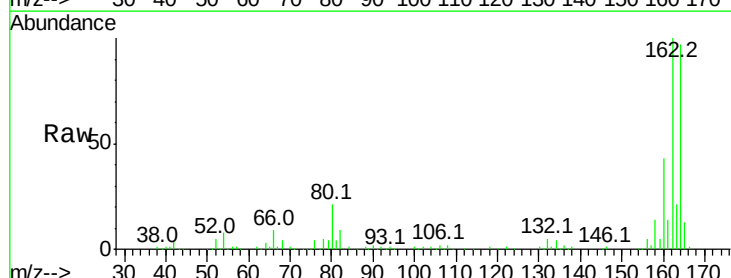


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

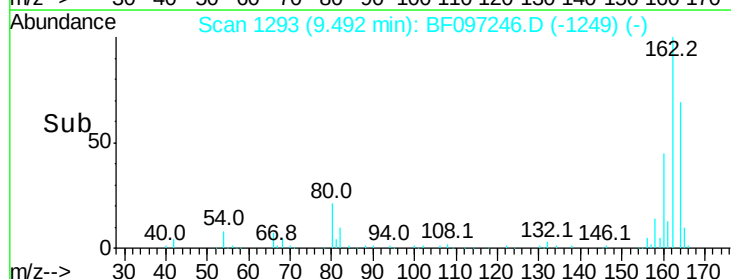
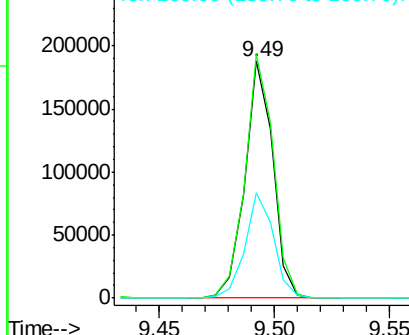


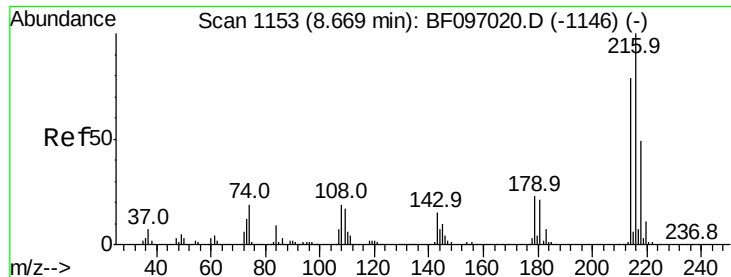
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158996		
162	102.8	82.6	123.8	
160	44.3	36.2	54.2	



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





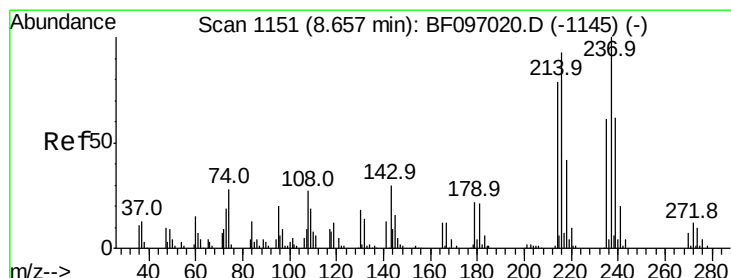
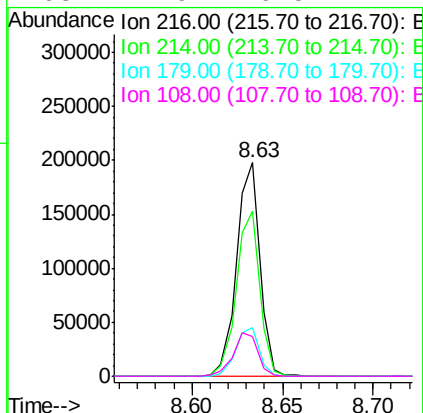
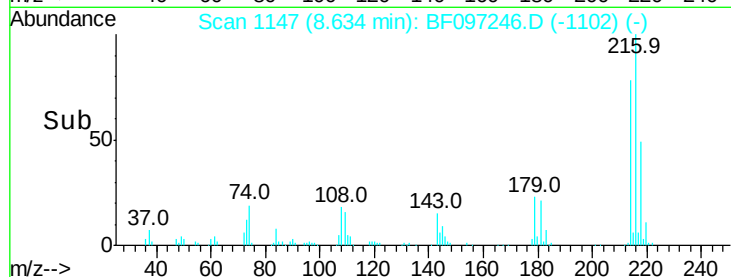
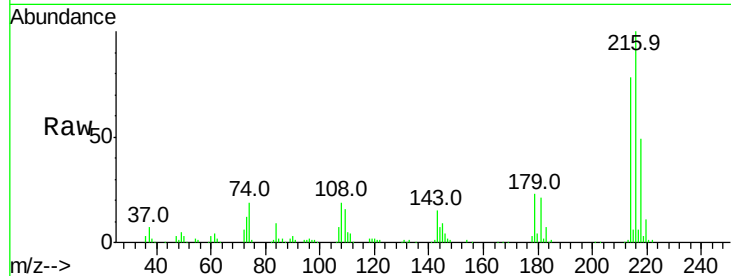
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.834 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.4	95.2
179	22.9	17.9	26.9
108	21.9	16.5	24.7

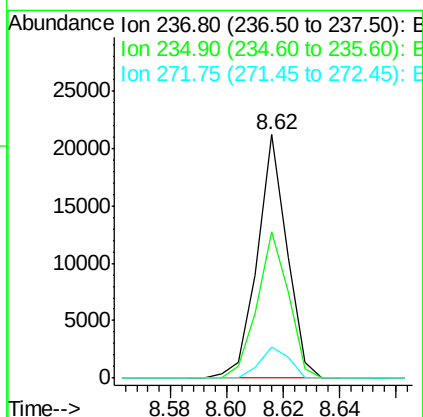
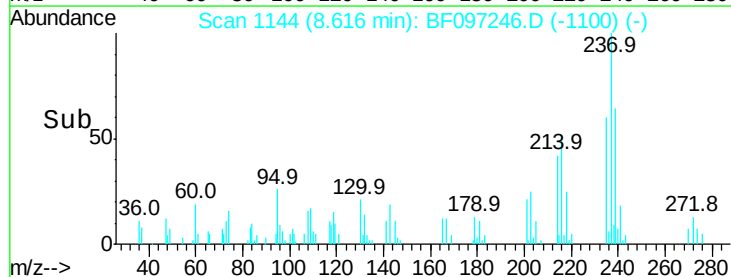
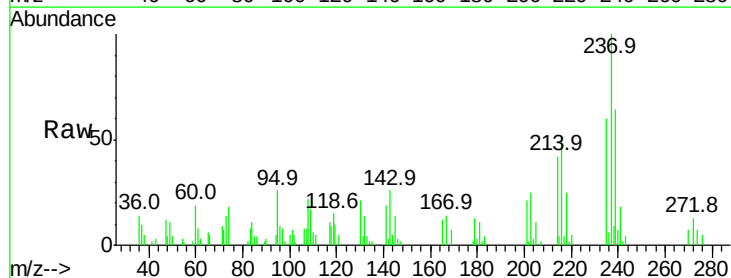
Manual Integrations
 APPROVED

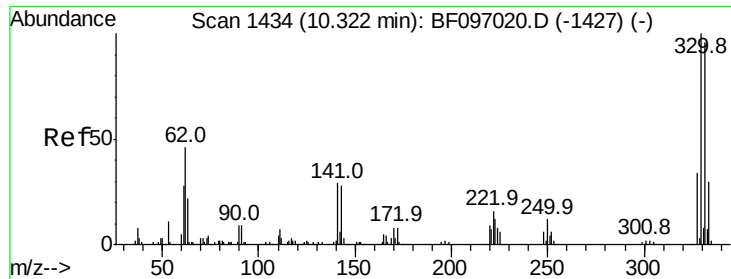
Sohil
 8/2/2017 7:15:26 PM



#40
 Hexachlorocyclopentadiene
 Concen: 16.145 ng
 RT: 8.62 min Scan# 1144
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.0	42.6	82.6
272	13.0	0.0	31.9





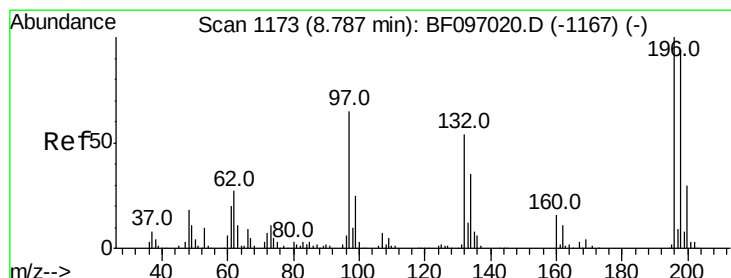
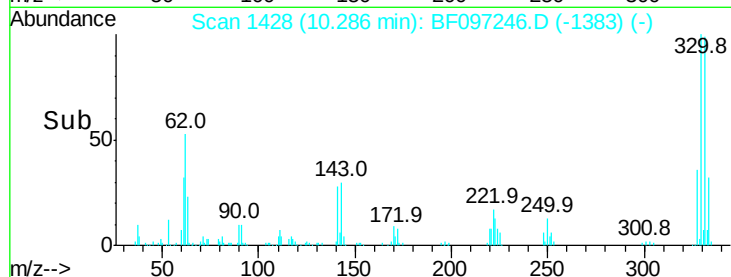
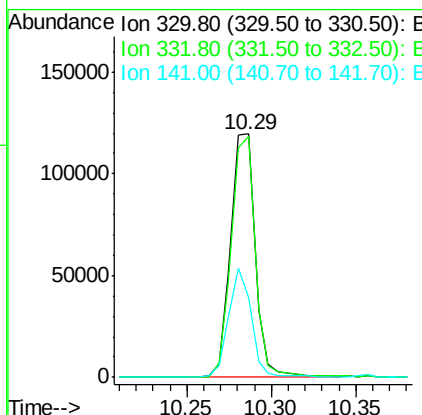
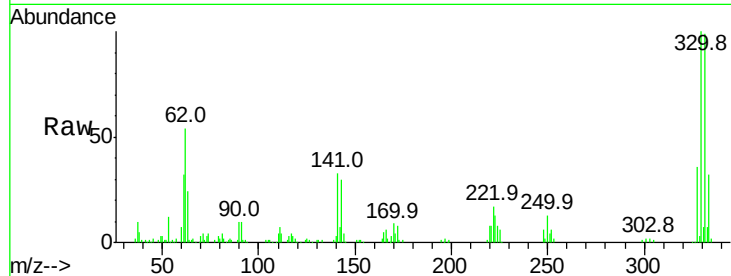
#41
 2,4,6-Tribromophenol
 Concen: 97.189 ng
 RT: 10.29 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	122091		
332	97.3	76.6	115.0	
141	41.1	31.4	47.2	

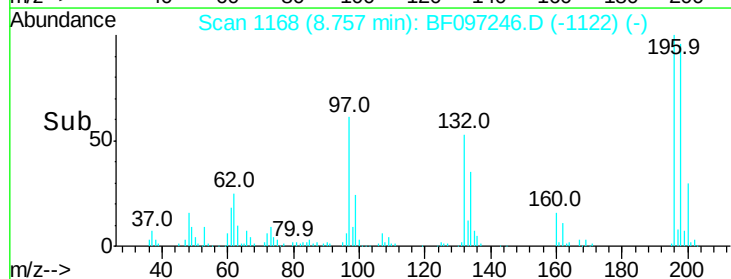
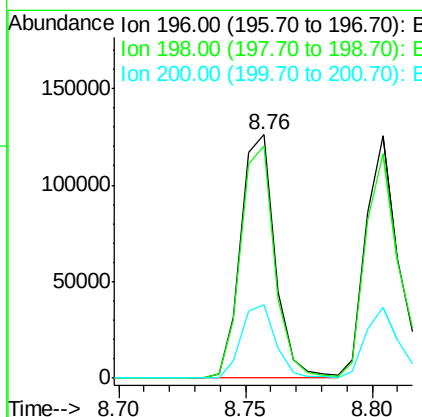
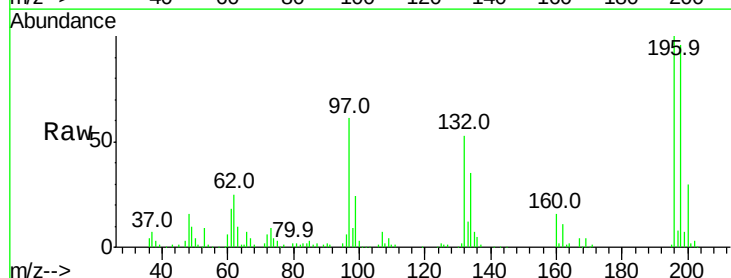
Manual Integrations
 APPROVED

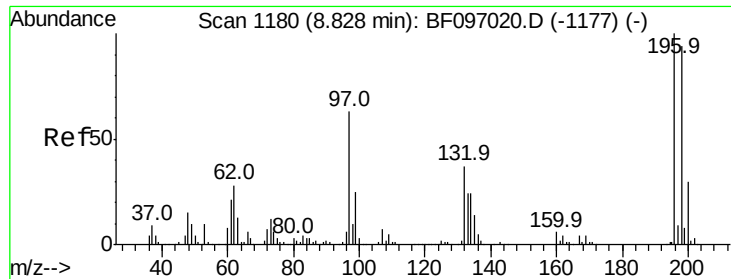
Sohil
 8/2/2017 7:15:26 PM



#42
 2,4,6-Trichlorophenol
 Concen: 38.751 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	119136		
198	95.5	74.2	111.4	
200	30.2	24.0	36.0	





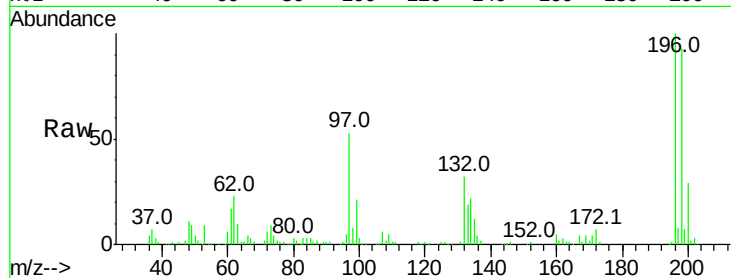
#43
 2,4,5-Trichlorophenol
 Concen: 39.269 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

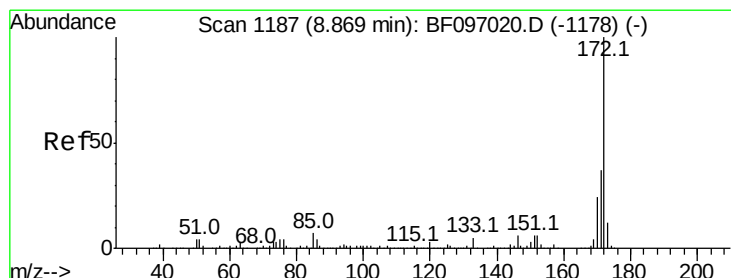
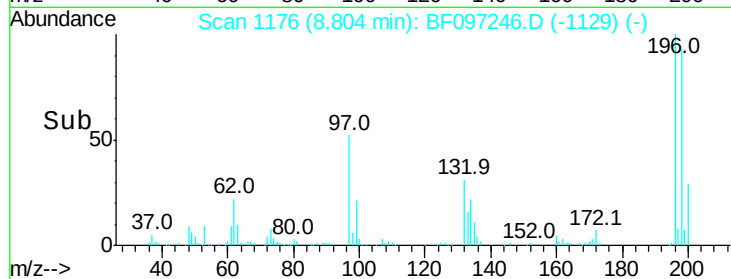
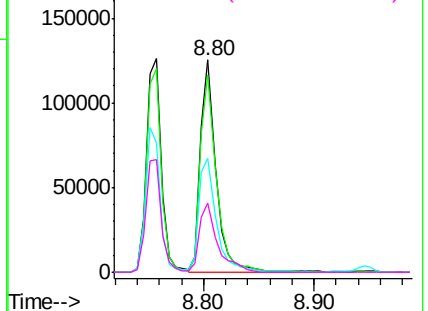
Tot Ion	Ratio	Resp	Lower	Upper
196	100	120837		
198	93.0		75.7	113.5
97	53.4		47.7	71.5
132	32.3		28.0	42.0

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM



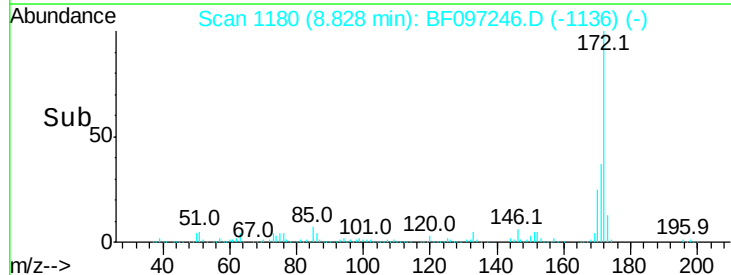
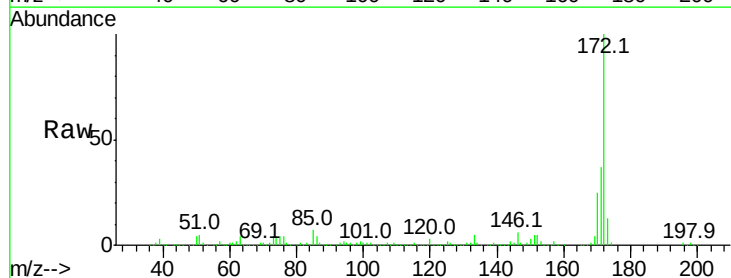
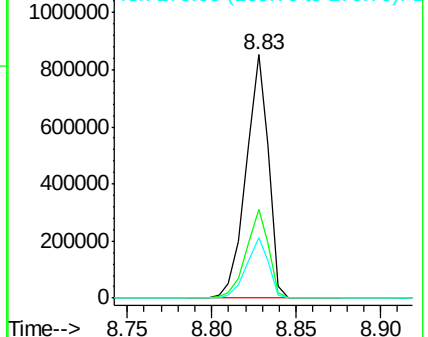
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

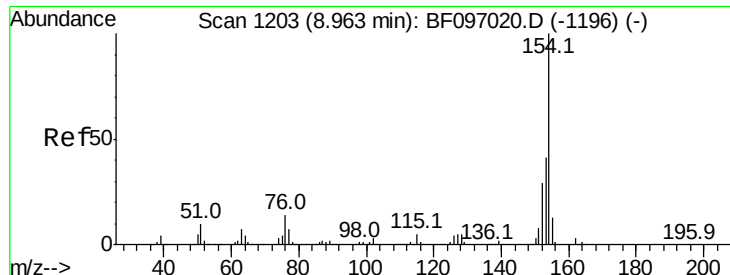


#44
 2-Fluorobiphenyl
 Concen: 84.485 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	791516		
171	36.5		29.6	44.4
170	24.7		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





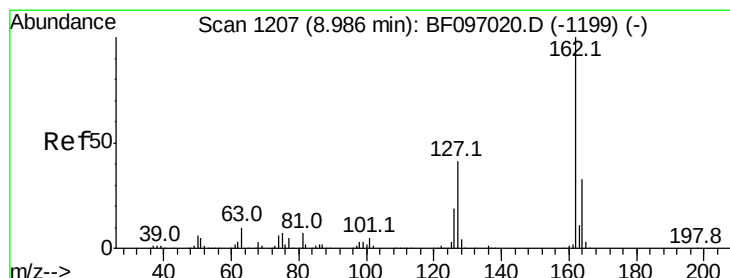
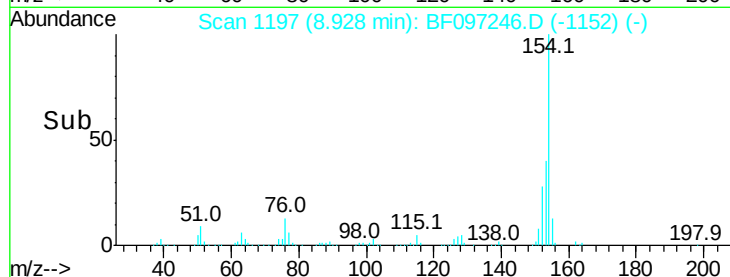
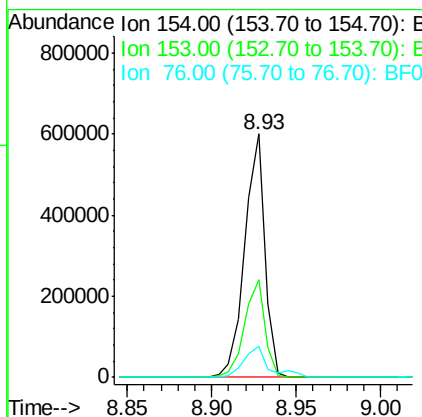
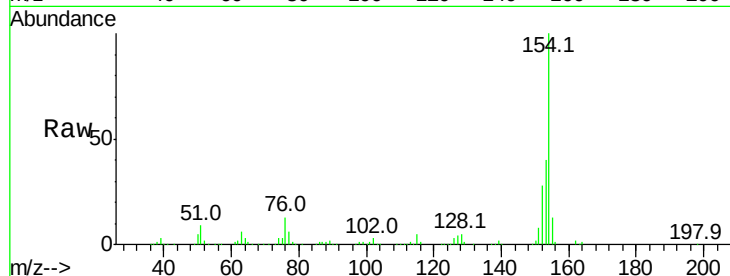
#45
 1,1'-Biphenyl
 Concen: 36.981 ng
 RT: 8.93 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	12.6	0.0	29.9

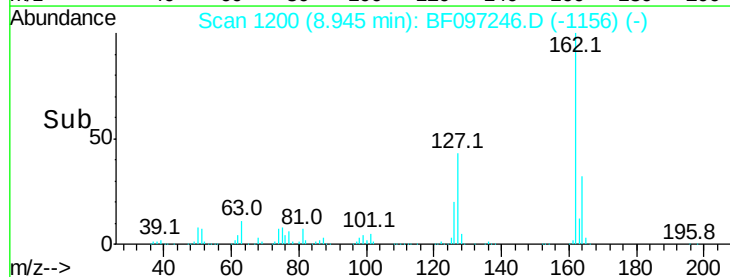
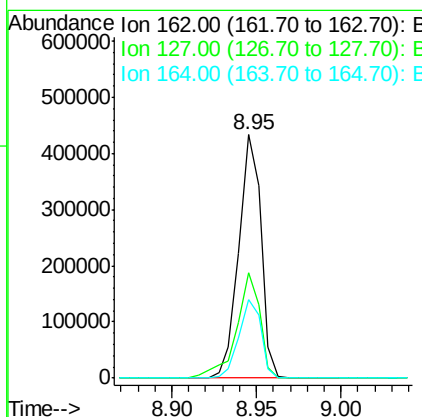
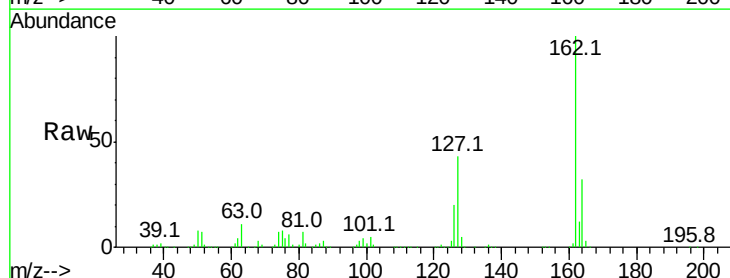
Manual Integrations
 APPROVED

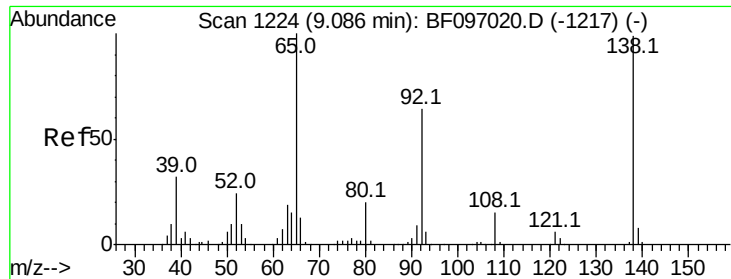
Sohil
 8/2/2017 7:15:26 PM



#46
 2-Chloronaphthalene
 Concen: 39.687 ng
 RT: 8.95 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
162	100		
127	43.3	28.3	42.5#
164	32.5	27.0	40.4





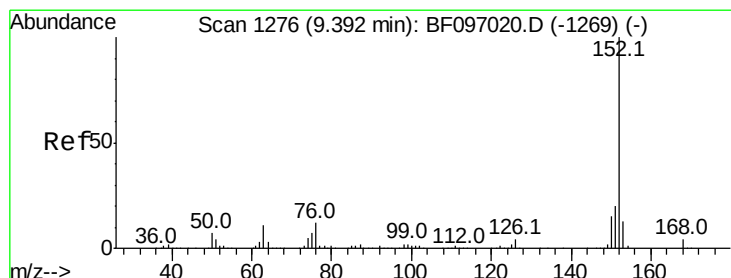
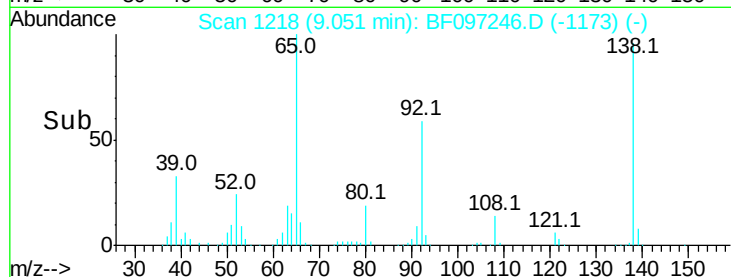
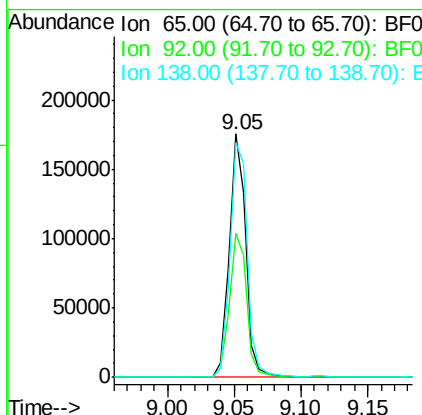
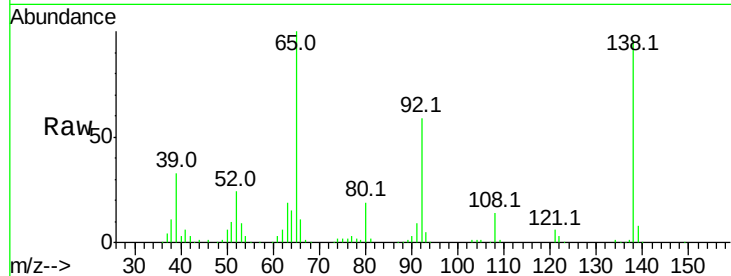
#47
2-Nitroaniline
Concen: 42.437 ng
RT: 9.05 min Scan# 1218
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	59.3	53.9	80.9
138	96.5	78.8	118.2

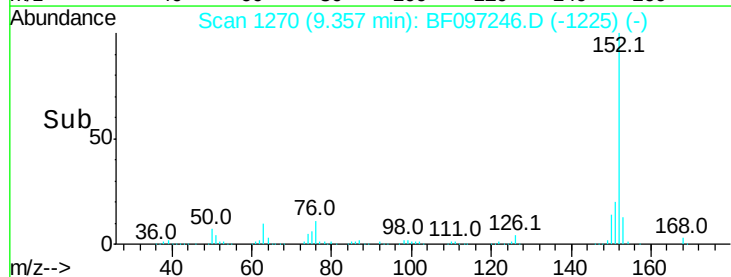
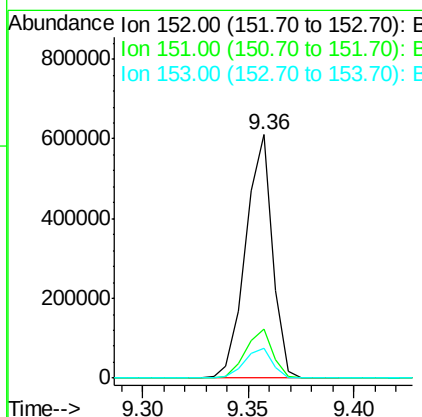
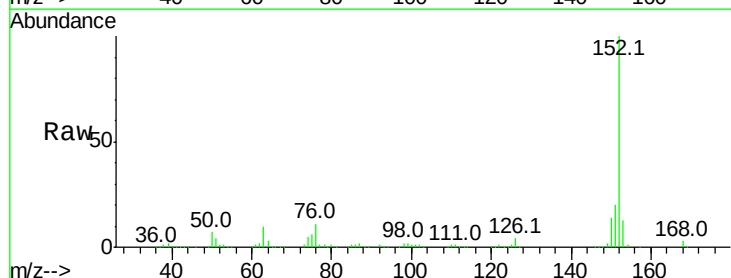
Manual Integrations
APPROVED

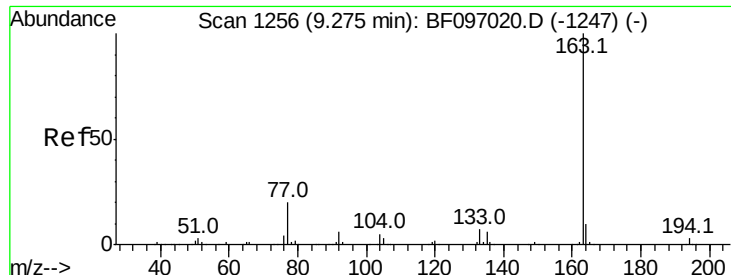
Sohil
8/2/2017 7:15:26 PM



#48
Acenaphthylene
Concen: 35.056 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	12.5	10.8	16.2





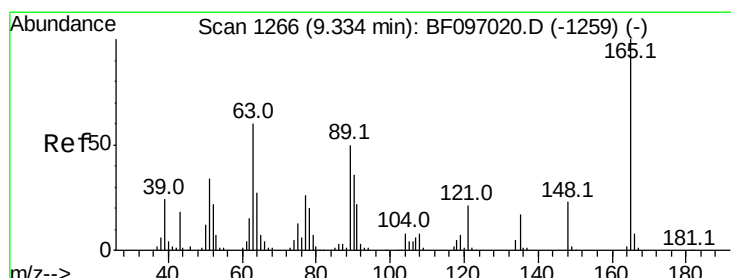
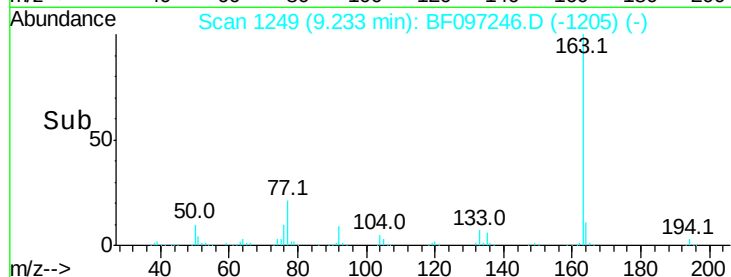
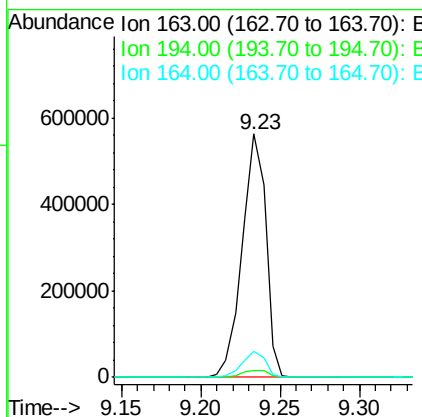
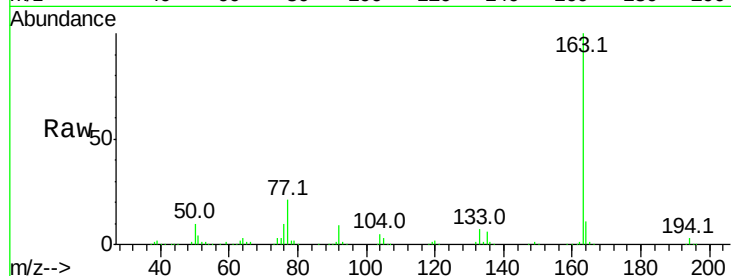
#49
 Dimethylphthalate
 Concen: 48.332 ng
 RT: 9.23 min Scan# 1249
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.5	8.4	12.6	

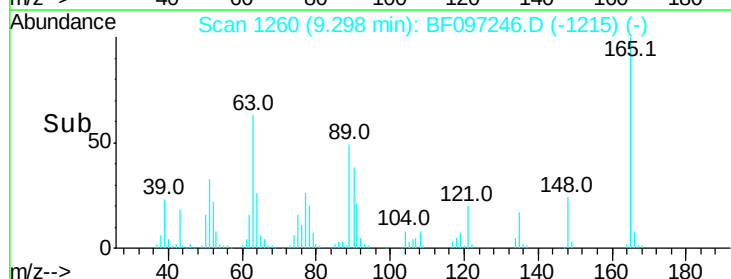
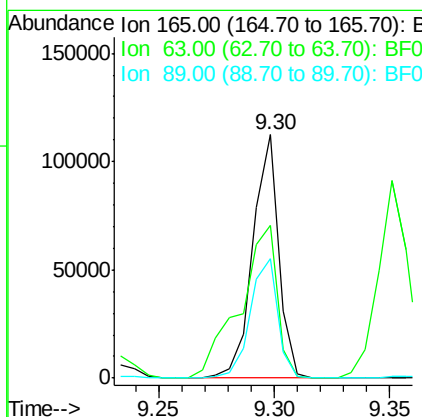
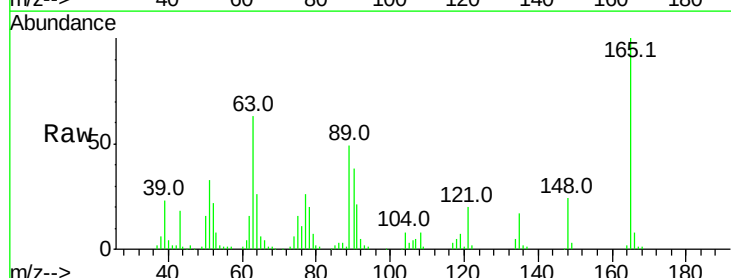
Manual Integrations
 APPROVED

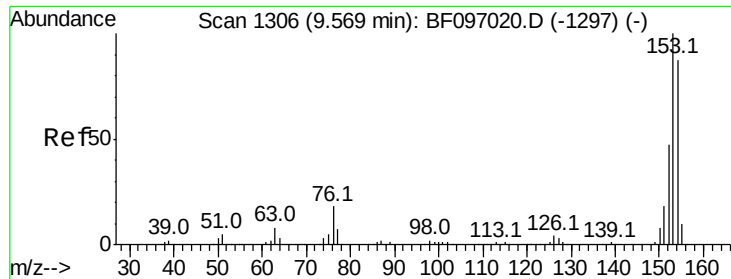
Sohil
 8/2/2017 7:15:26 PM



#50
 2,6-Dinitrotoluene
 Concen: 34.509 ng
 RT: 9.30 min Scan# 1260
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	62.5	34.3	51.5#	
89	49.1	37.1	55.7	





#51

Acenaphthene

Concen: 38.010 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

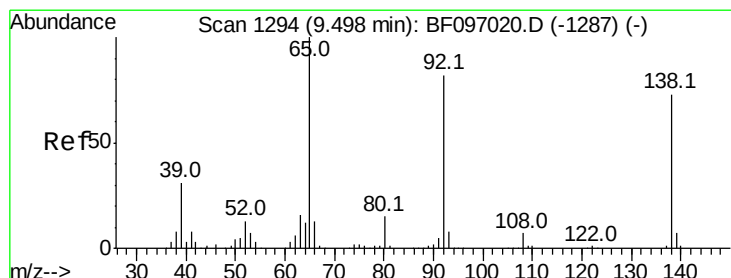
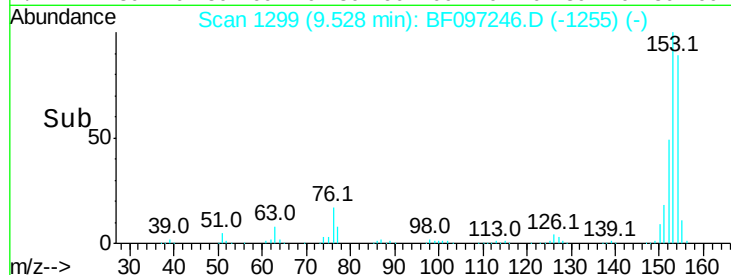
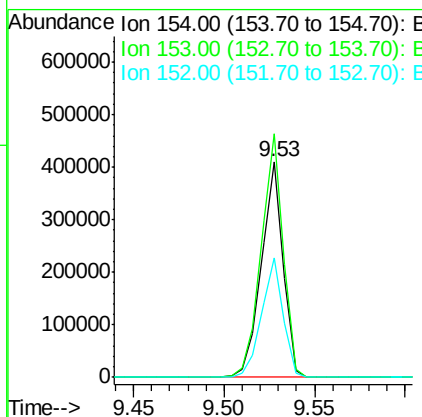
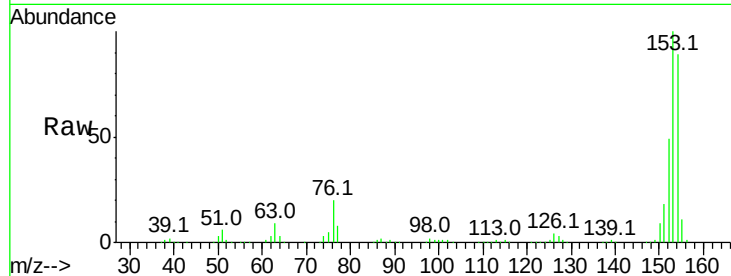
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	154	Resp:	343443
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.5	135.7
152	55.1	43.6	65.4

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#52

3-Nitroaniline

Concen: 29.535 ng

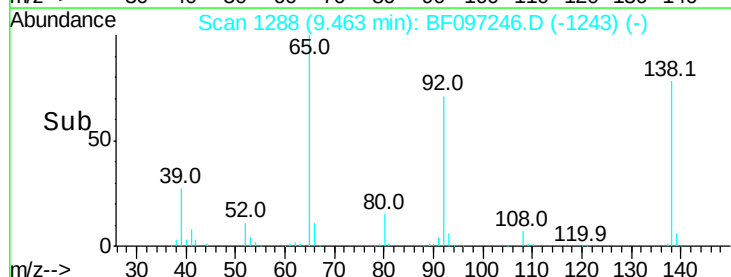
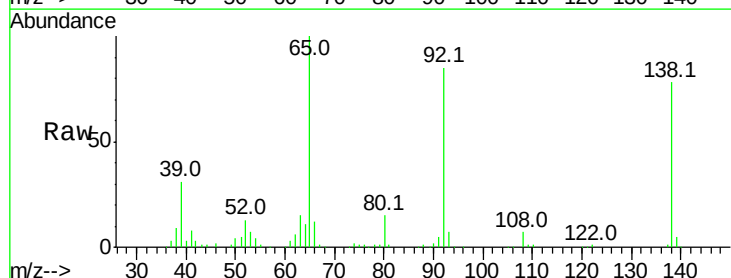
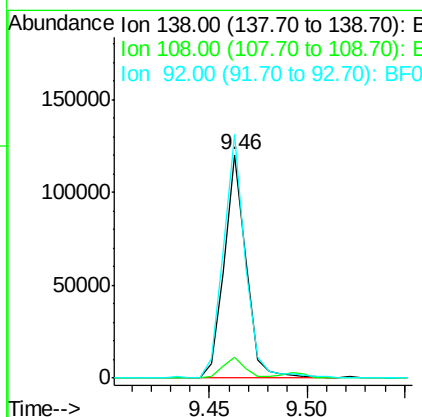
RT: 9.46 min Scan# 1288

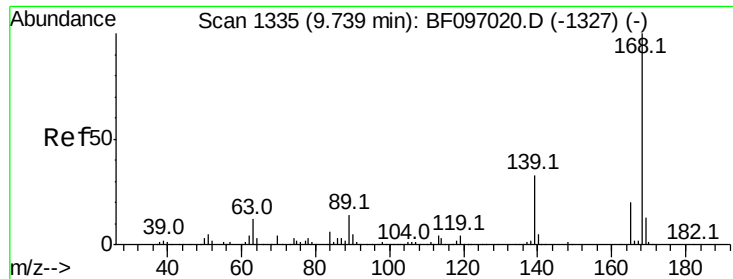
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	138	Resp:	93880
Ion Ratio	Lower	Upper	
138	100		
108	9.2	9.1	13.7
92	109.1	93.8	140.6





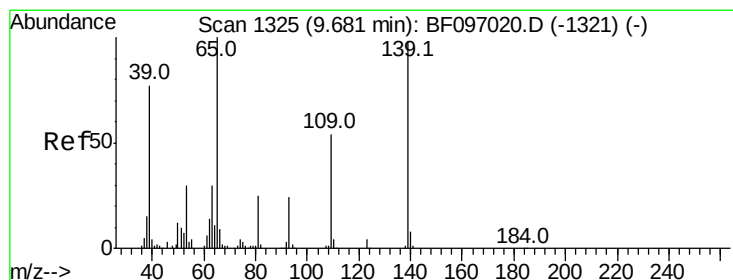
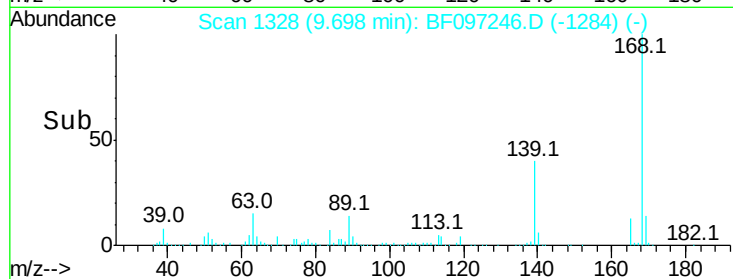
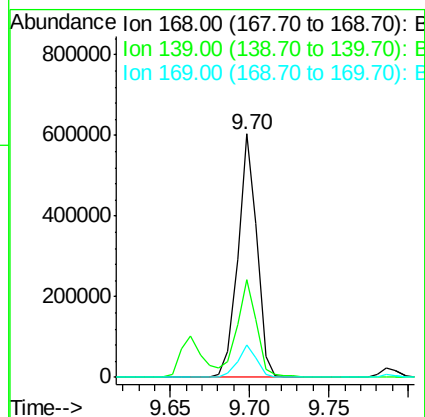
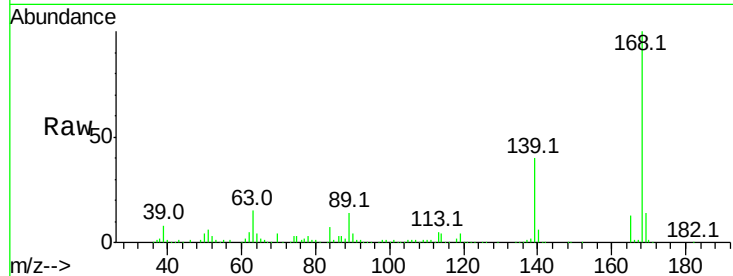
#54
Dibenzenofuran
Concen: 41.395 ng
RT: 9.70 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	498190		
139	39.9	30.6	45.8	
169	13.6	10.8	16.2	

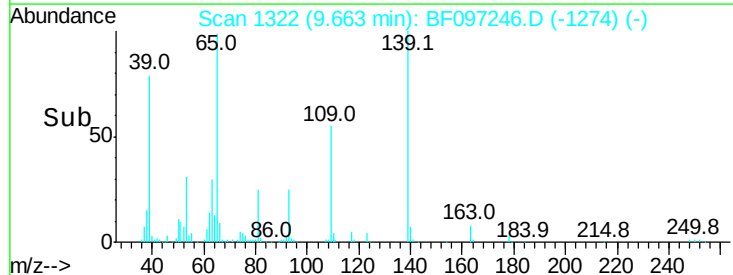
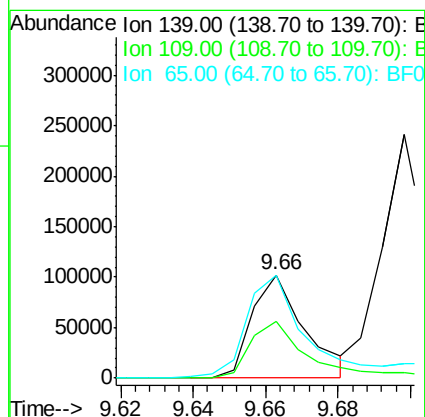
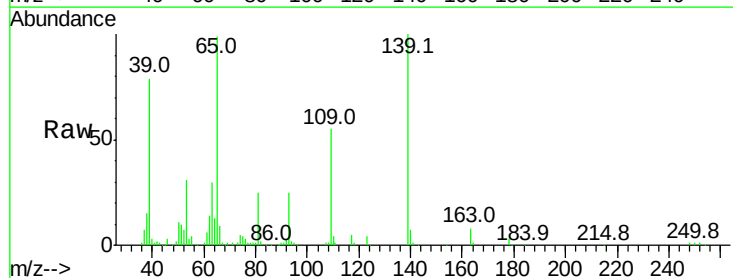
Manual Integrations
APPROVED

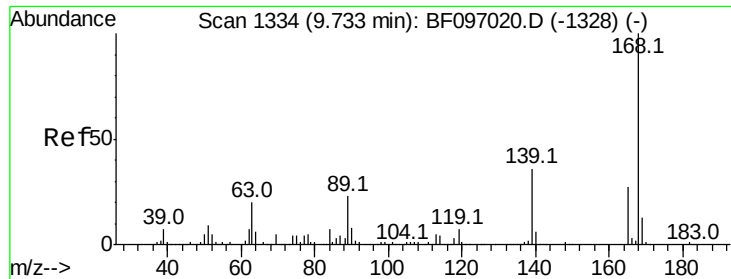
Sohil
8/2/2017 7:15:26 PM



#55
4-Nitrophenol
Concen: 54.287 ng
RT: 9.66 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	102615		
109	55.4	34.1	74.1	
65	98.9	31.4	71.4	





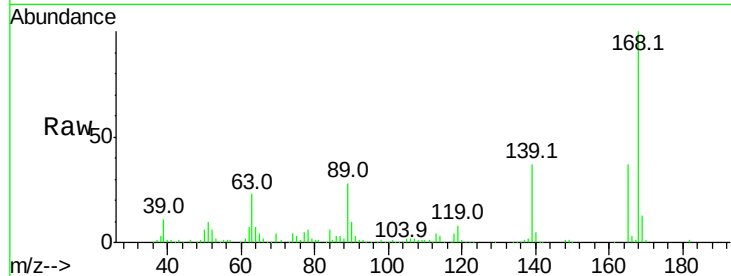
#56
 2,4-Dinitrotoluene
 Concen: 36.708 ng
 RT: 9.70 min Scan# 1329
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	63.4	25.4	38.0#
89	75.5	46.4	69.6#
182	2.5	1.8	2.6

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM

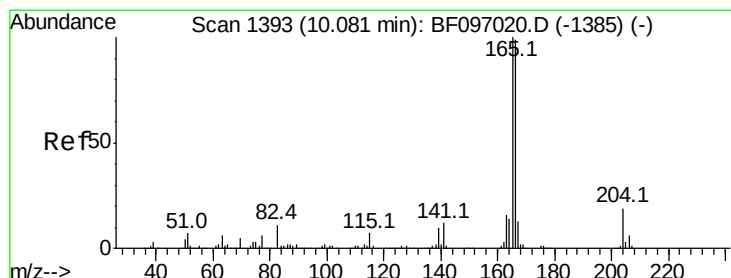
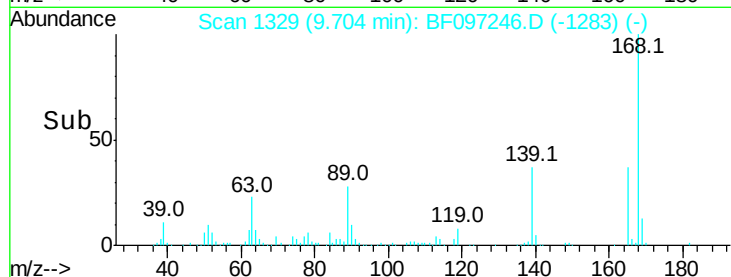
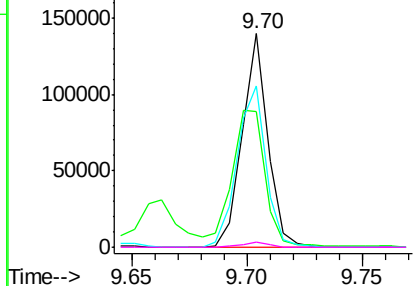


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



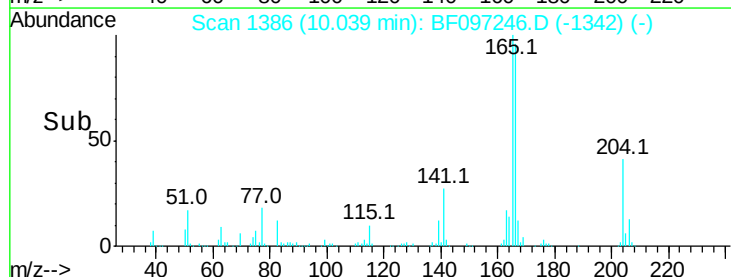
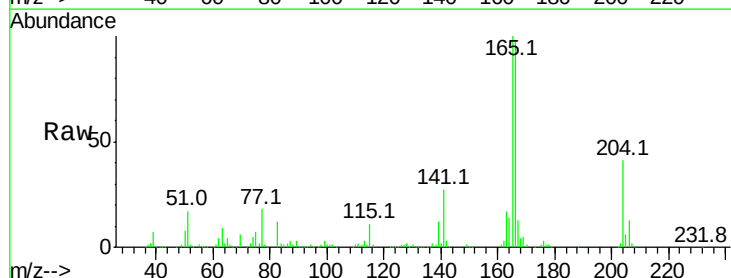
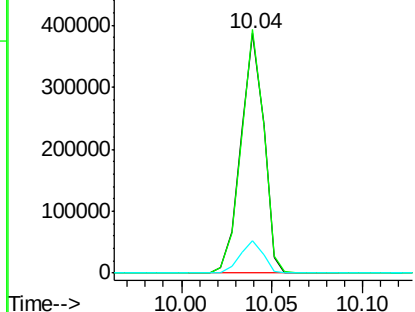
#57
 Fluorene
 Concen: 37.752 ng
 RT: 10.04 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

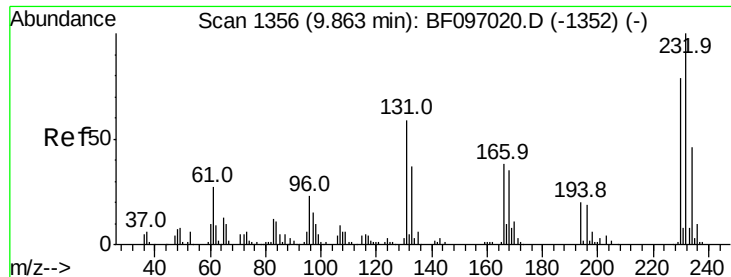
Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	101.7	78.8	118.2
167	13.4	10.6	16.0

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





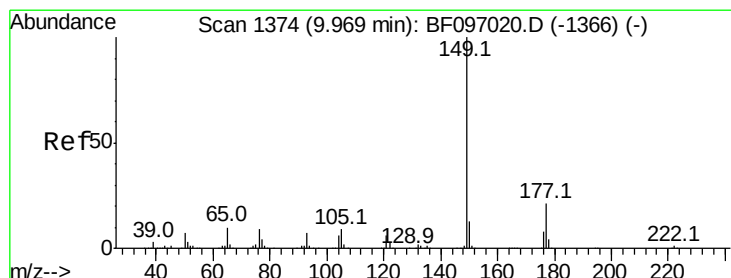
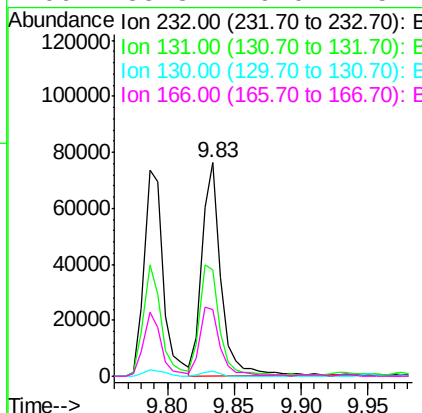
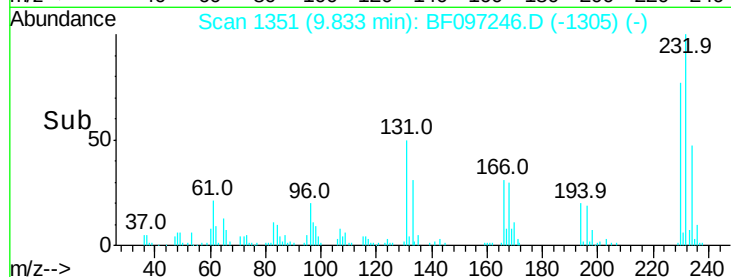
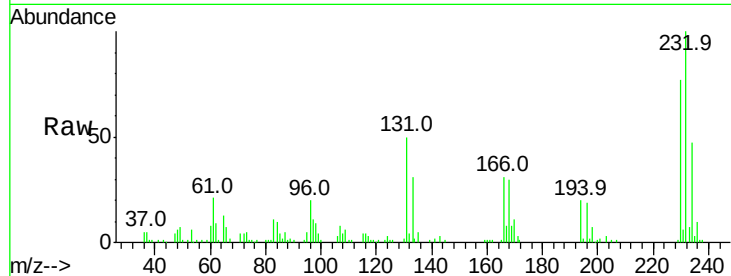
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 35.172 ng
 RT: 9.83 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion:	232	Resp:	74730
Ion Ratio	Lower	Upper	
232	100		
131	53.3	44.8	67.2
130	2.2	2.3	3.5#
166	35.3	29.0	43.4

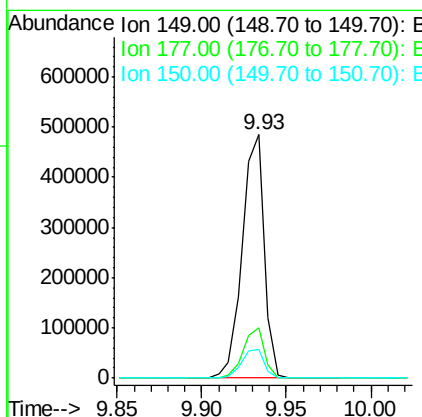
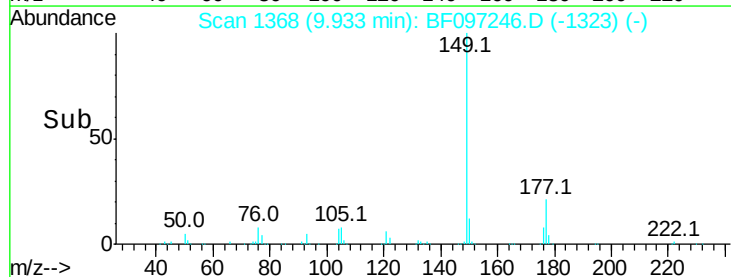
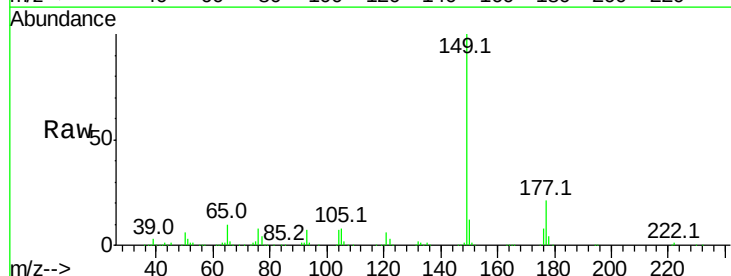
Manual Integrations
 APPROVED

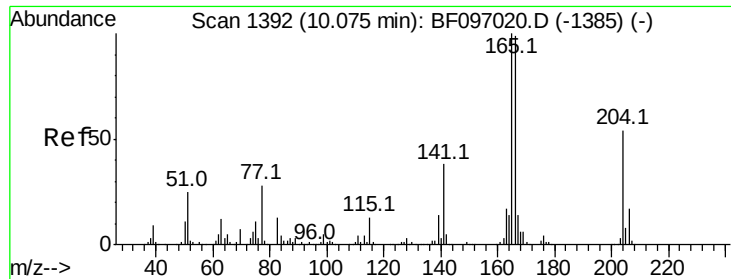
Sohil
 8/2/2017 7:15:26 PM



#59
 Diethylphthalate
 Concen: 39.872 ng
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:	149	Resp:	441663
Ion Ratio	Lower	Upper	
149	100		
177	20.6	16.7	25.1
150	11.9	10.2	15.2





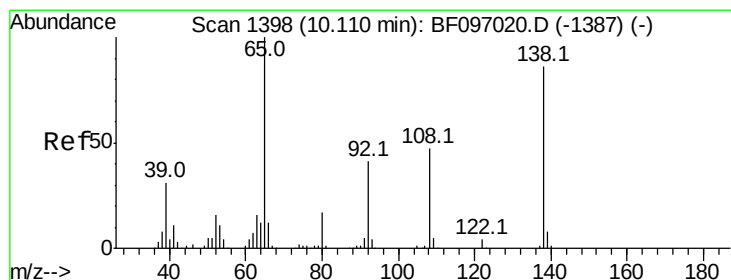
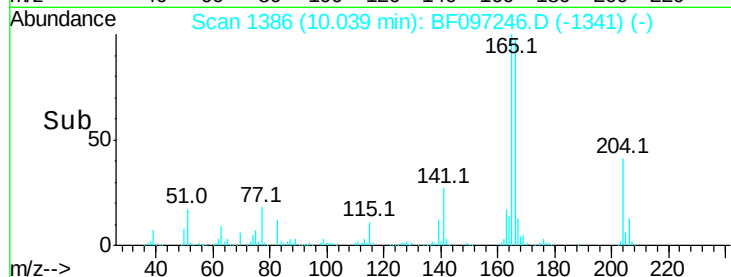
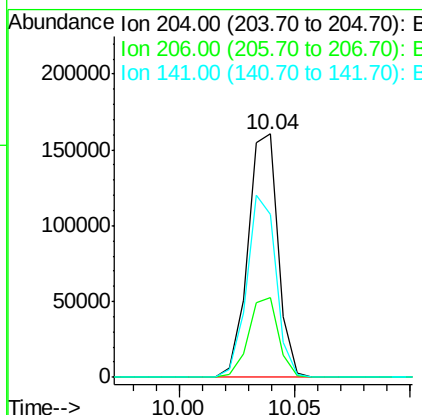
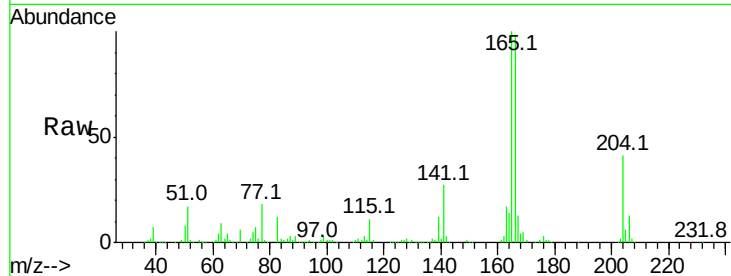
#60
4-Chlorophenyl-phenylether
Concen: 39.270 ng
RT: 10.04 min Scan# 1386
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	66.9	60.8	91.2

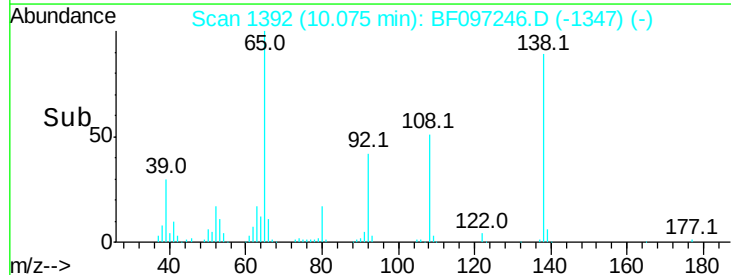
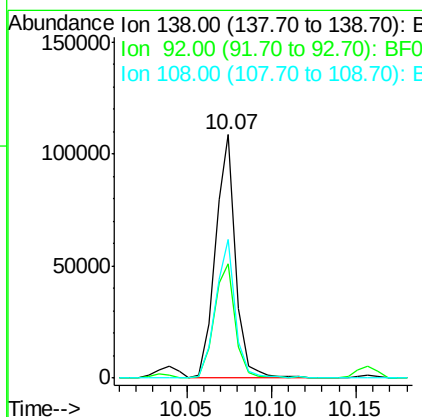
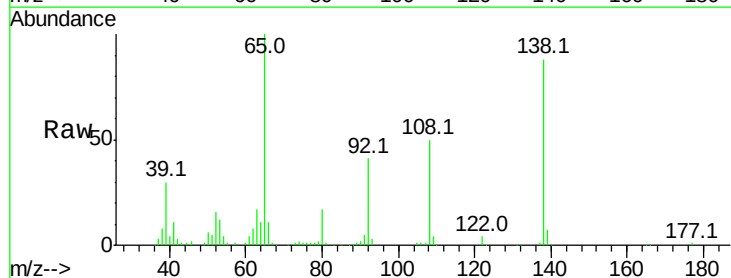
Manual Integrations
APPROVED

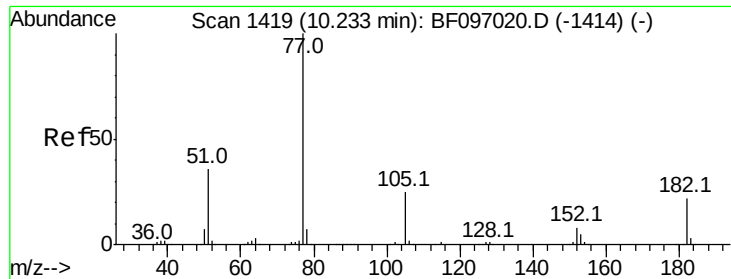
Sohil
8/2/2017 7:15:26 PM



#61
4-Nitroaniline
Concen: 30.128 ng
RT: 10.07 min Scan# 1392
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	21.8	61.8
108	56.9	42.3	82.3





#62

Azobenzene

Concen: 40.353 ng

RT: 10.20 min Scan# 1413

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

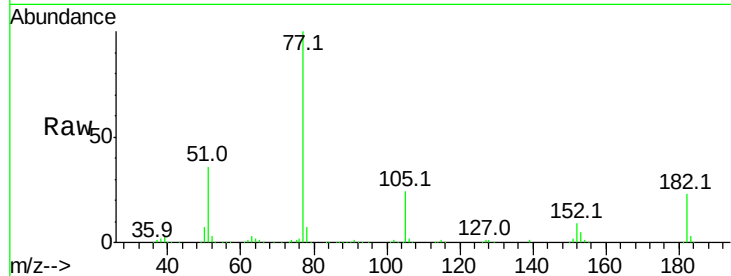
HDD-PILWC4MSD

Tot Ion: 77 Resp: 414667

Ion	Ratio	Lower	Upper
77	100		
182	22.7	0.1	40.1
105	24.1	3.6	43.6
51	36.1	9.4	49.4

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM

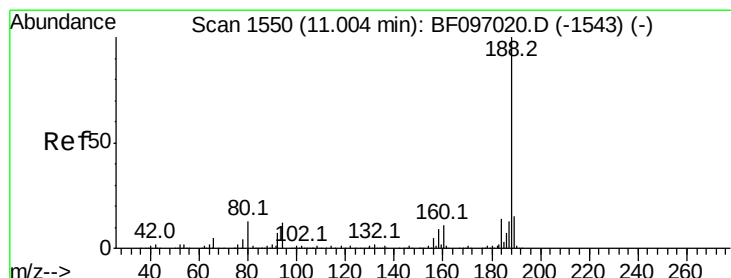
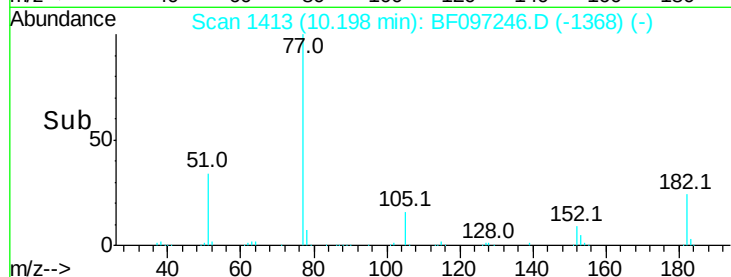
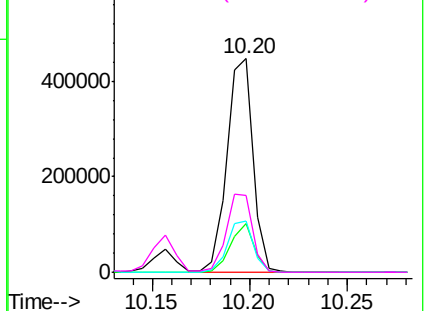


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.97 min Scan# 1544

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

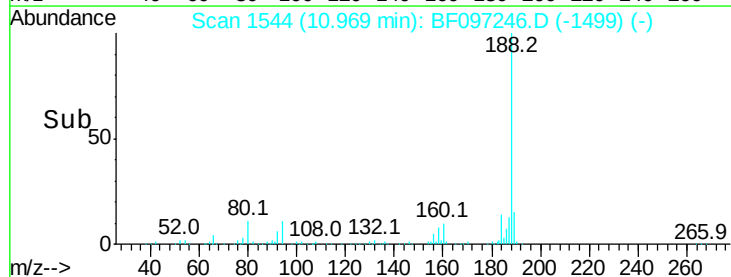
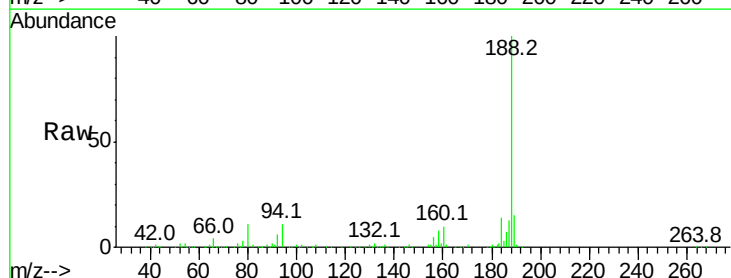
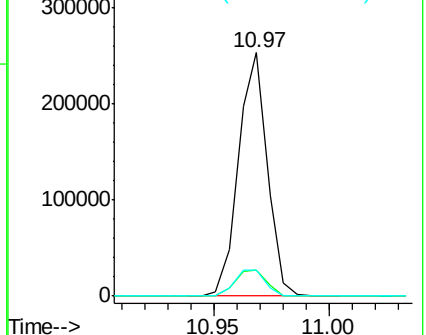
Tgt Ion: 188 Resp: 220576

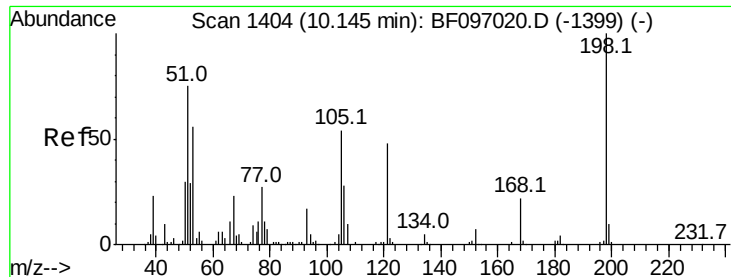
Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	10.7	10.2	15.2

Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





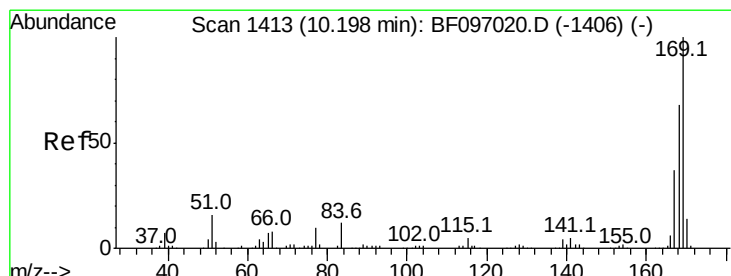
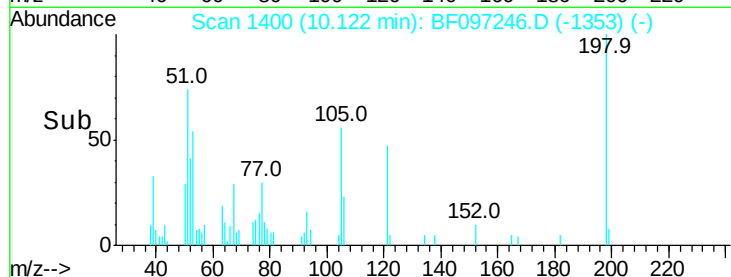
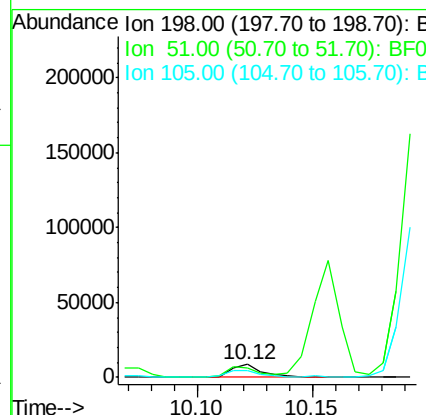
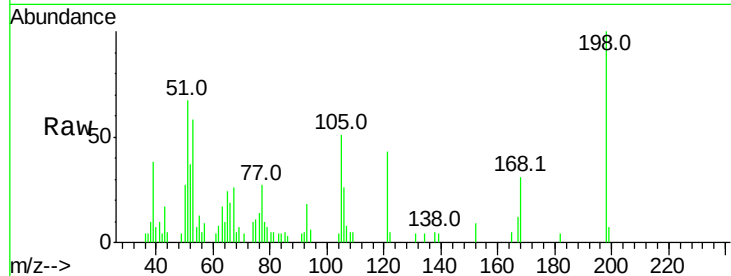
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.131 ng
 RT: 10.12 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	67.3	53.2	93.2
105	50.8	45.8	85.8

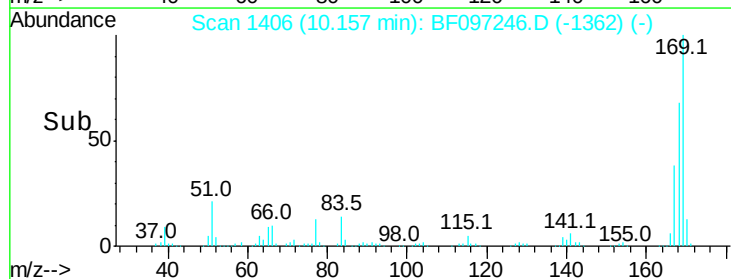
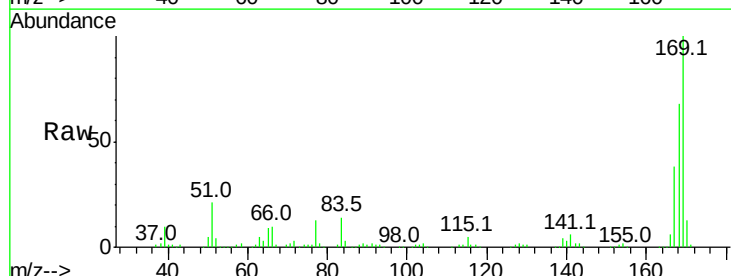
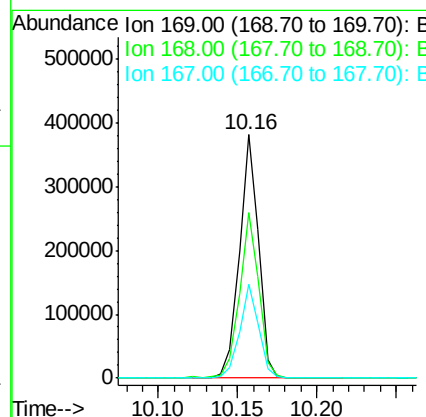
Manual Integrations
 APPROVED

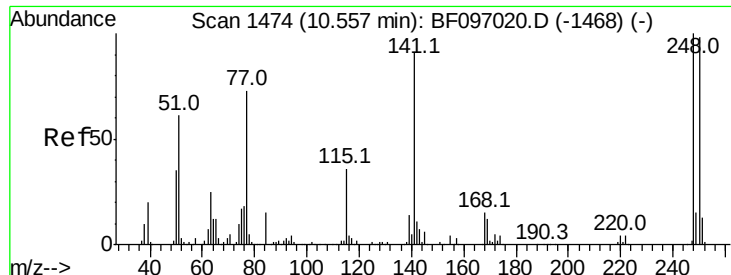
Sohil
 8/2/2017 7:15:26 PM



#65
 n-Nitrosodiphenylamine
 Concen: 41.326 ng
 RT: 10.16 min Scan# 1406
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.1	53.2	79.8
167	38.5	29.5	44.3





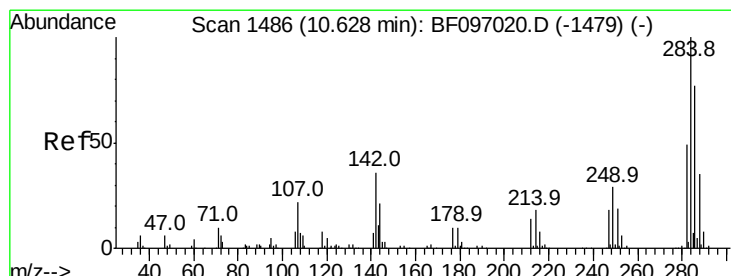
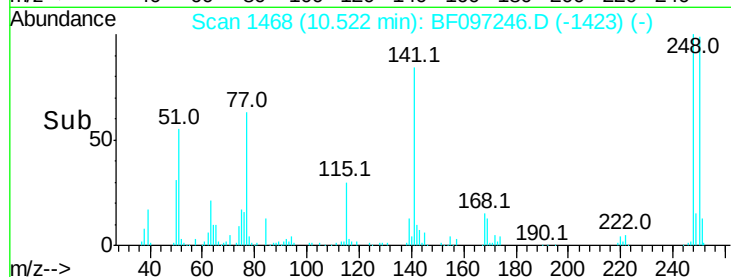
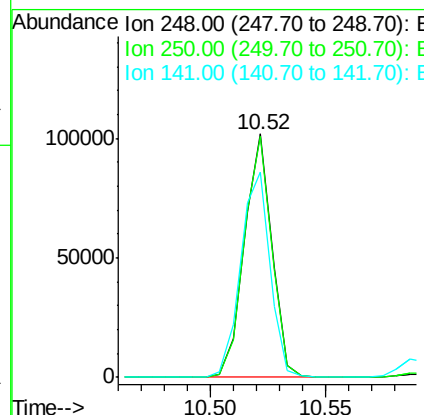
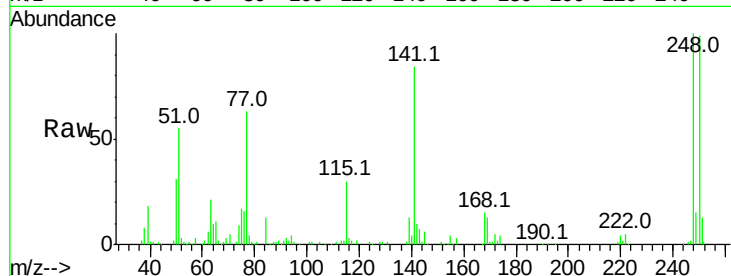
#66
 4-Bromophenyl-phenylether
 Concen: 38.592 ng
 RT: 10.52 min Scan# 1468
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.1	76.8	115.2
141	84.3	68.6	103.0

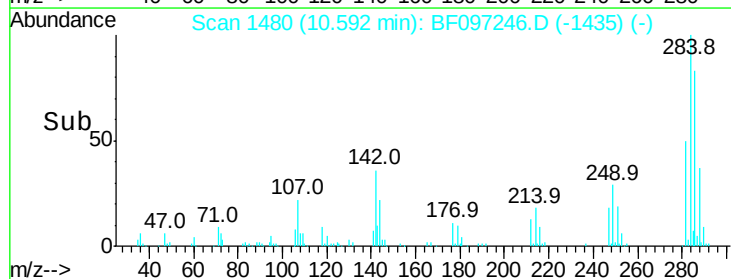
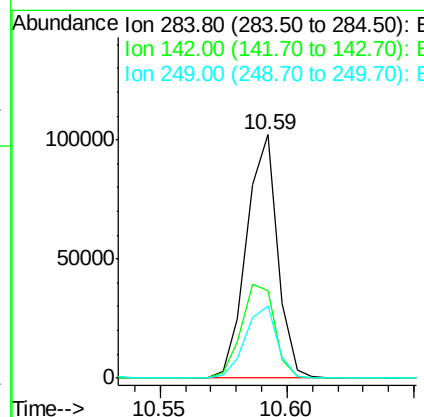
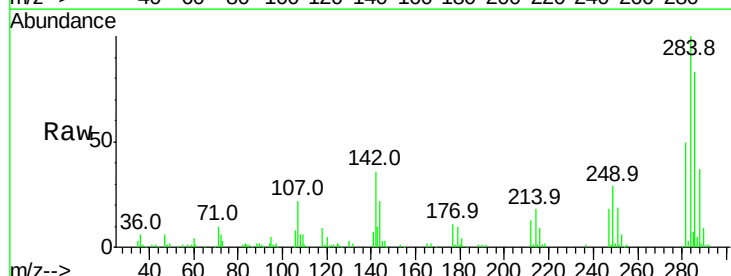
Manual Integrations
 APPROVED

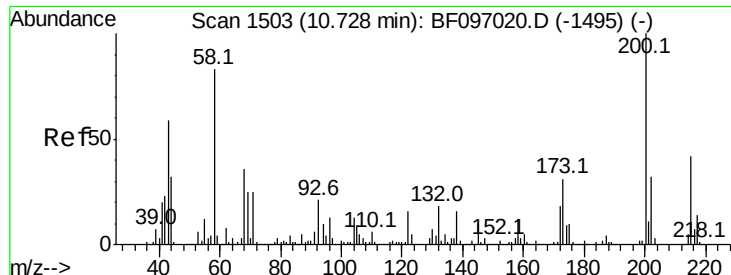
Sohil
 8/2/2017 7:15:26 PM



#67
 Hexachlorobenzene
 Concen: 35.244 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.9	22.8	34.2#
249	29.4	24.0	36.0





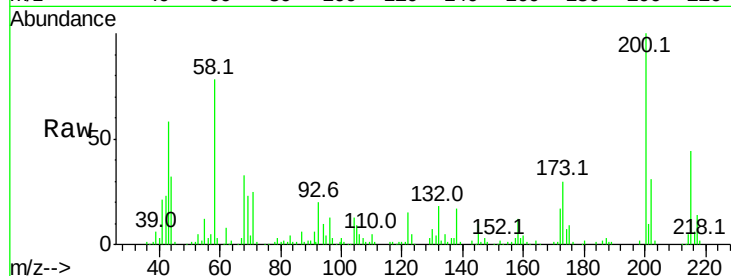
#68
 Atrazine
 Concen: 40.738 ng
 RT: 10.69 min Scan# 1497
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

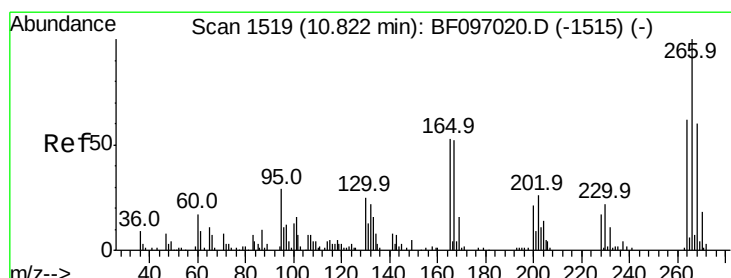
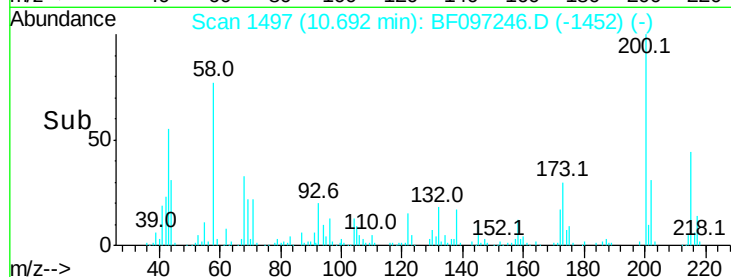
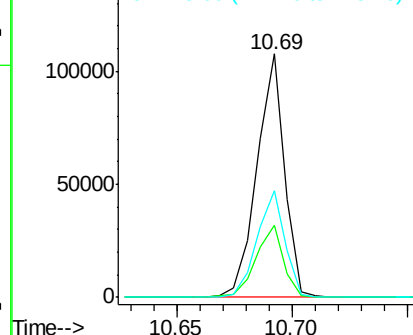
Tot Ion	Ratio	Lower	Upper
200	100		
173	29.7	6.3	46.3
215	43.7	27.2	67.2

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:26 PM

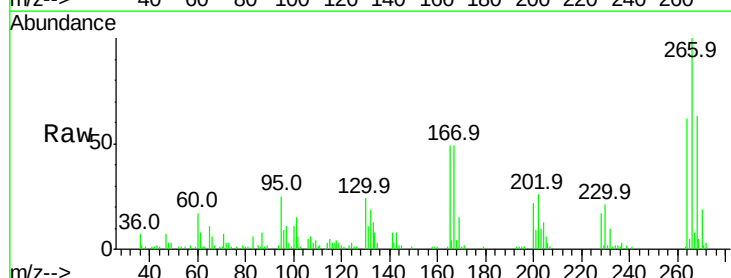


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

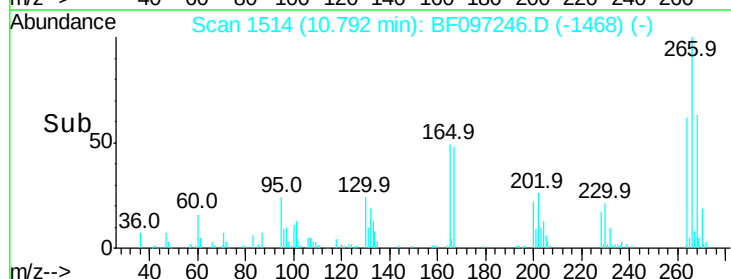
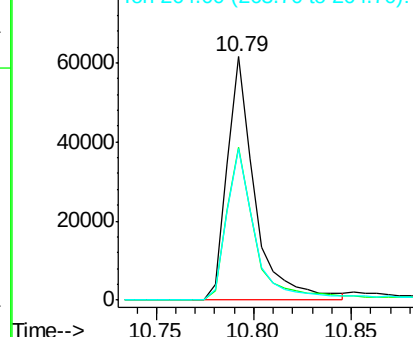


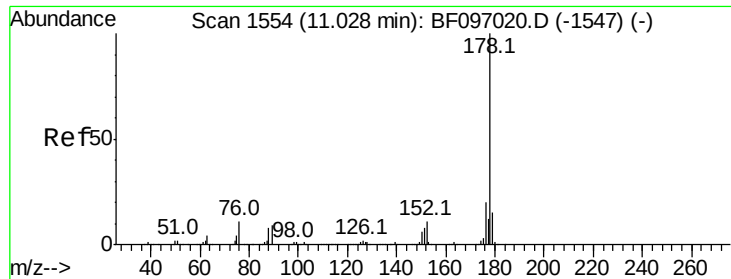
#69
 Pentachlorophenol
 Concen: 59.540 ng
 RT: 10.79 min Scan# 1514
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.1	76.7
264	62.3	51.7	77.5



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





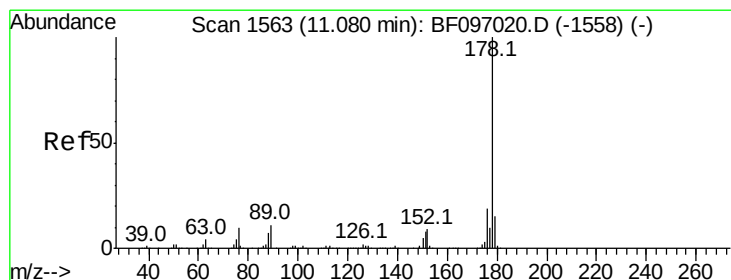
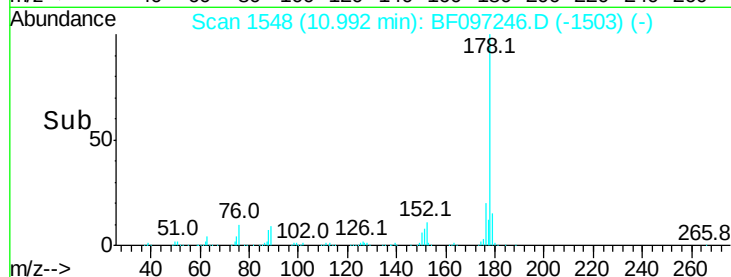
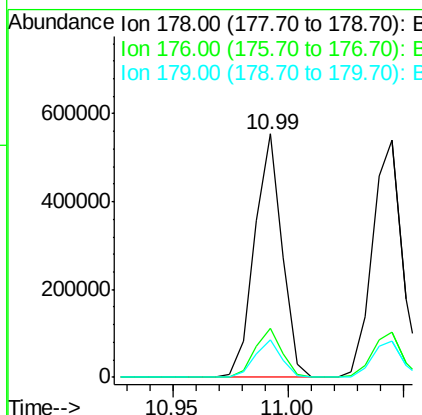
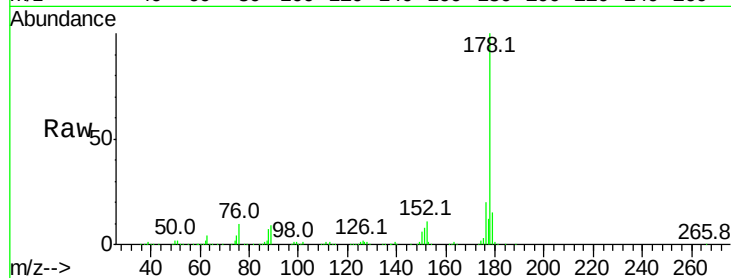
#70
Phenanthrene
Concen: 39.024 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.2	12.6	19.0

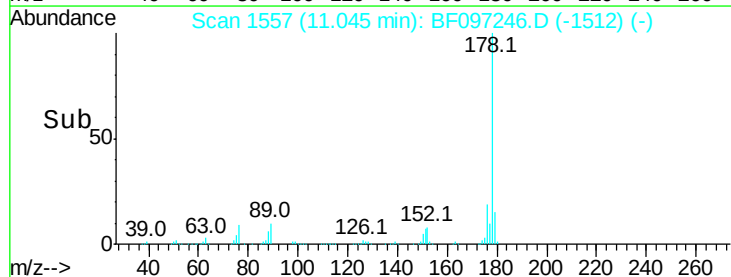
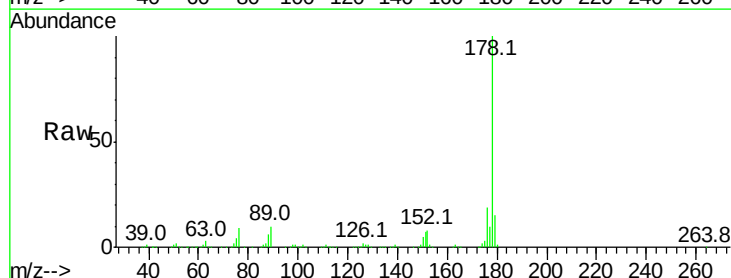
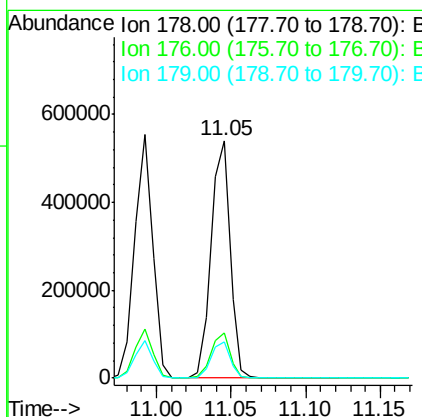
Manual Integrations
APPROVED

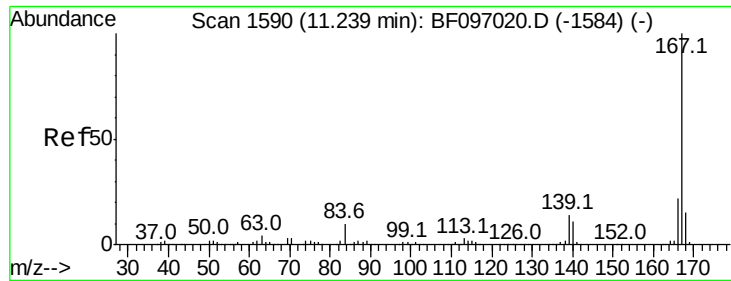
Sohil
8/2/2017 7:15:26 PM



#71
Anthracene
Concen: 39.641 ng
RT: 11.05 min Scan# 1557
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.2	12.7	19.1





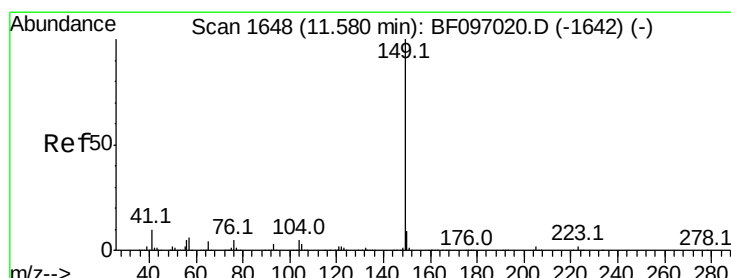
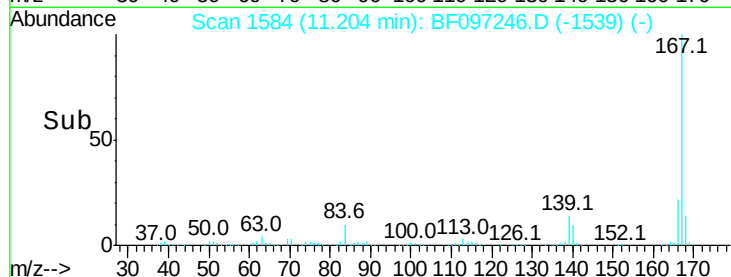
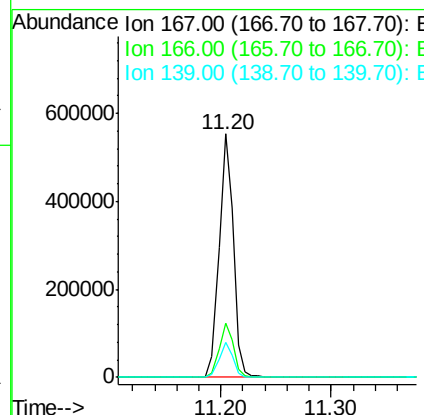
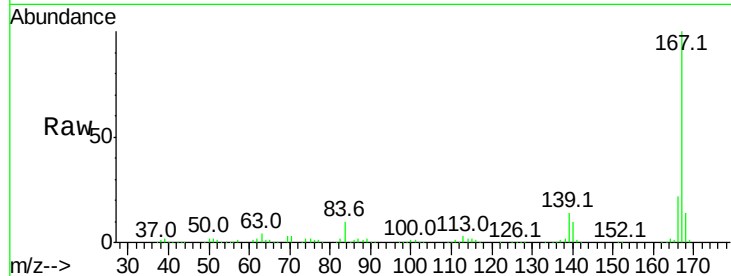
#72
 Carbazole
 Concen: 41.107 ng
 RT: 11.20 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100	489367		
166	22.2		18.1	27.1
139	14.2		11.7	17.5

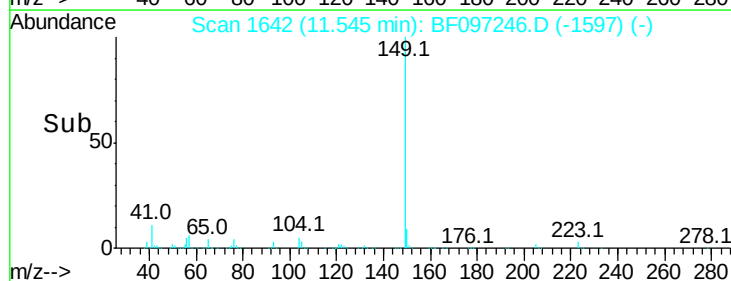
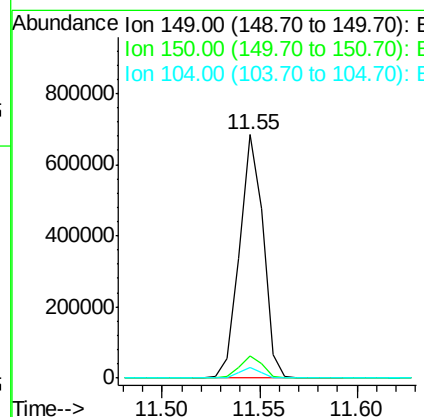
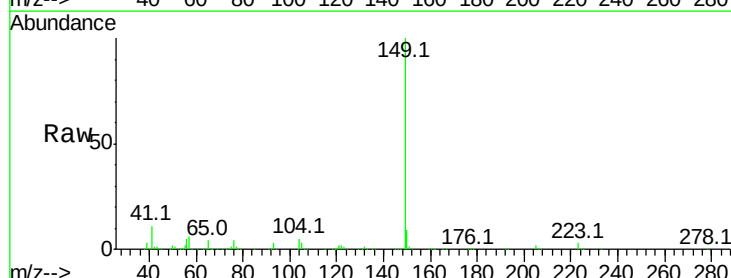
Manual Integrations
 APPROVED

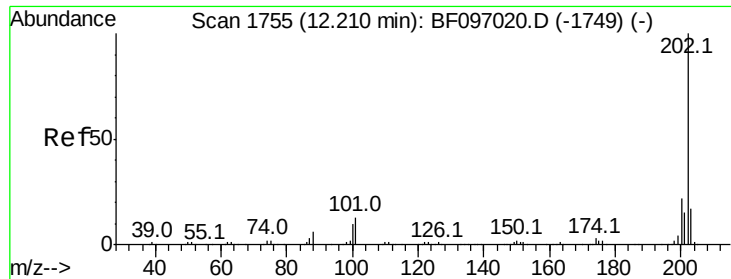
Sohil
 8/2/2017 7:15:26 PM



#73
 Di-n-butylphthalate
 Concen: 38.943 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	573064		
150	9.0		7.7	11.5
104	4.5		4.0	6.0





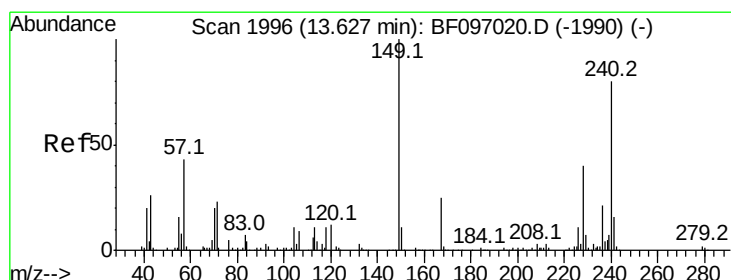
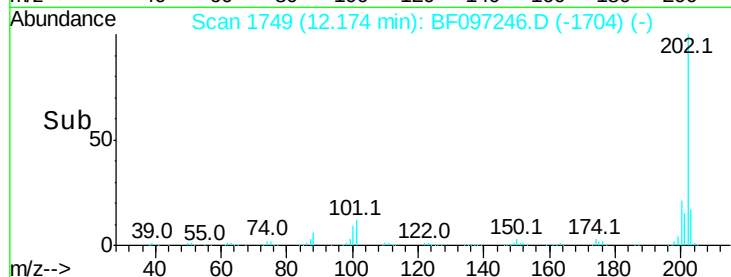
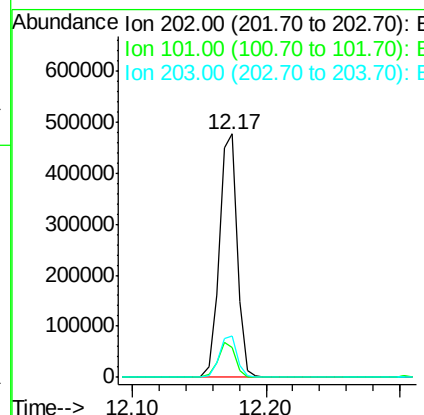
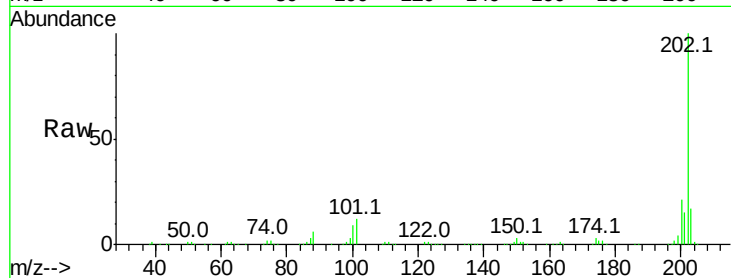
#74
 Fluoranthene
 Concen: 39.060 ng
 RT: 12.17 min Scan# 1749
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.0	0.0	38.1

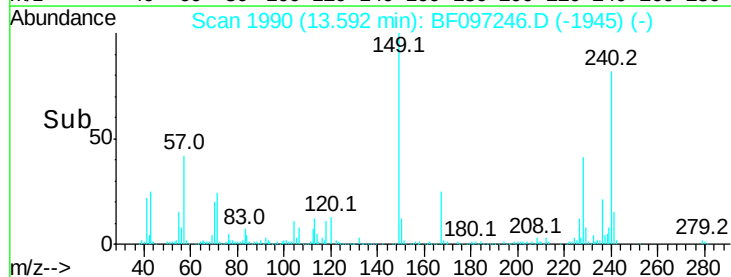
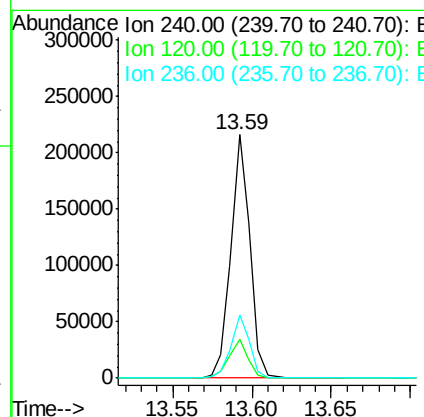
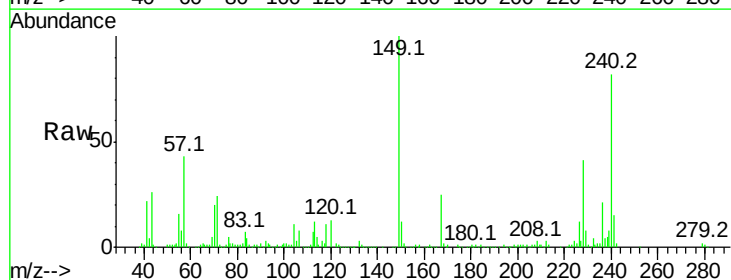
Manual Integrations
 APPROVED

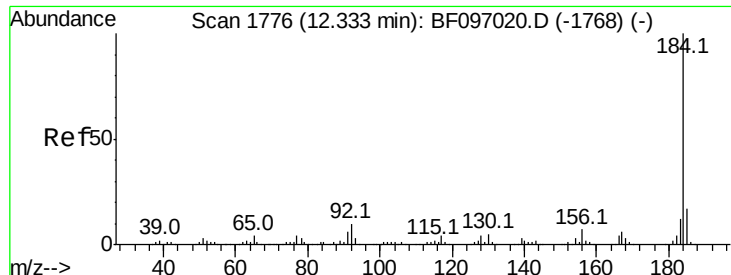
Sohil
 8/2/2017 7:15:26 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.59 min Scan# 1990
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.0	5.8	8.8#
236	26.0	20.5	30.7





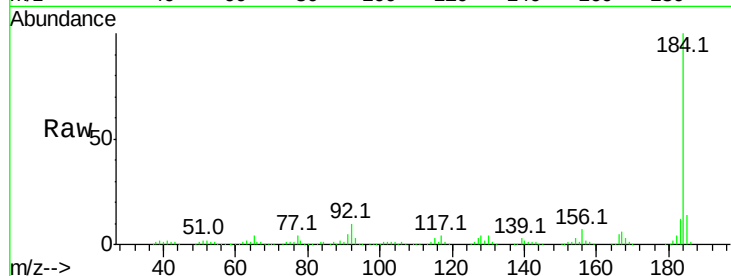
#76
Benzidine
Concen: 50.040 ng
RT: 12.30 min Scan# 1771
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

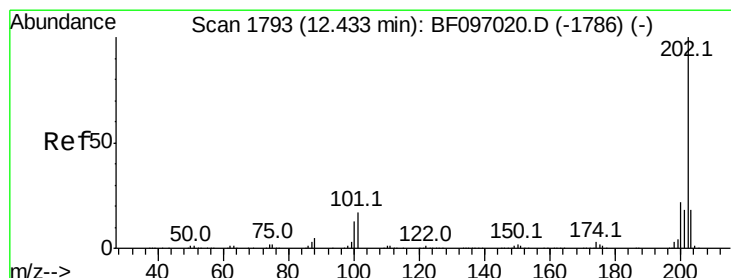
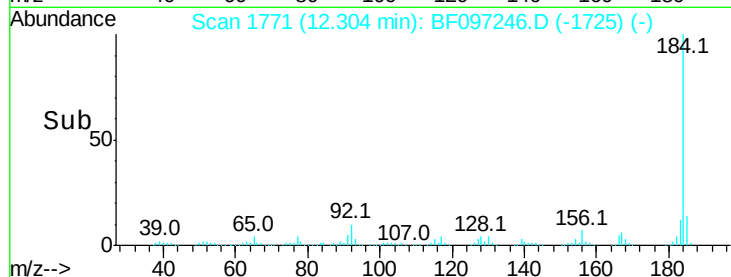
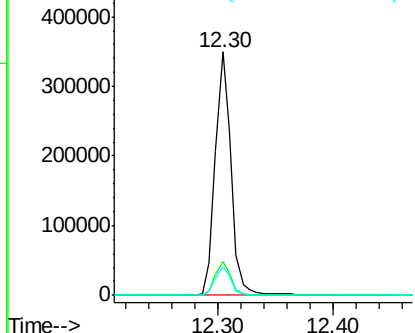
Tot Ion	Ratio	Lower	Upper
184	100		
185	13.6	15.5	23.3#
183	11.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



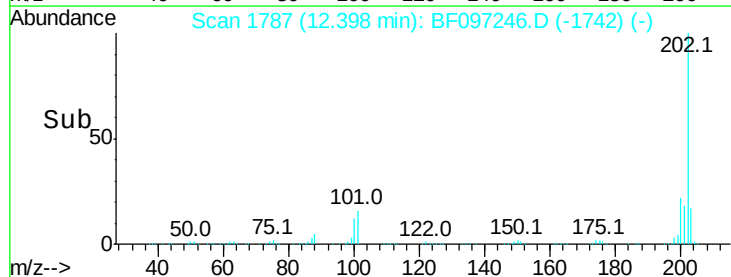
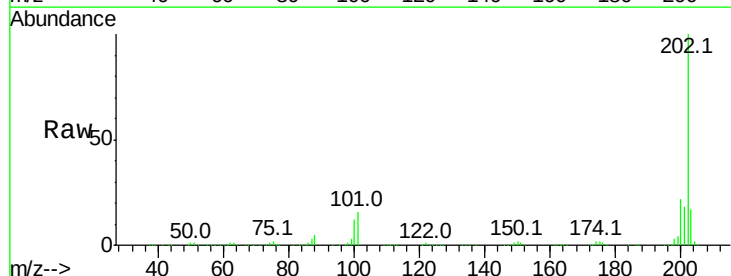
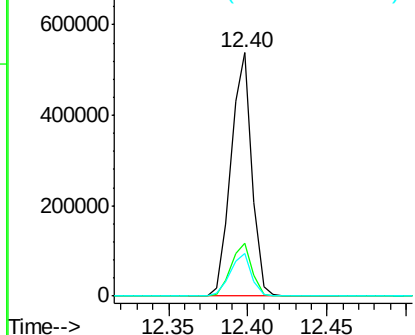
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

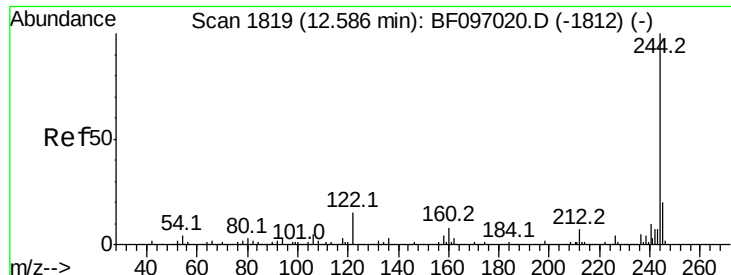


#77
Pyrene
Concen: 33.354 ng
RT: 12.40 min Scan# 1787
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.5	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.895 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

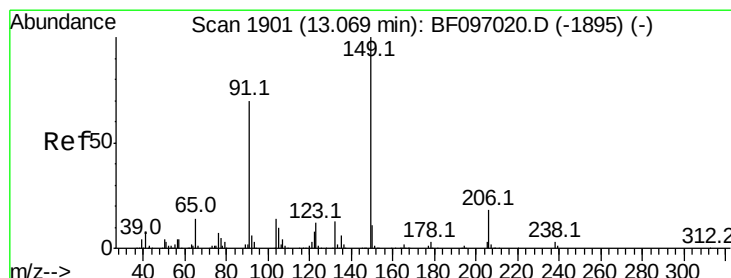
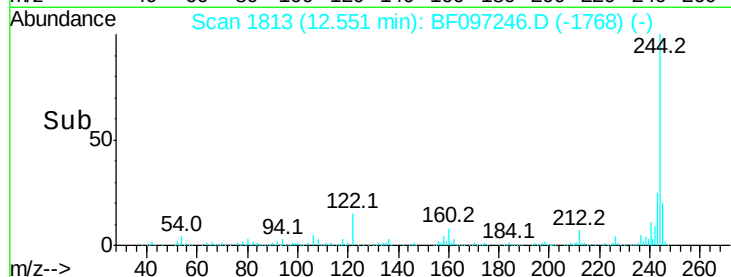
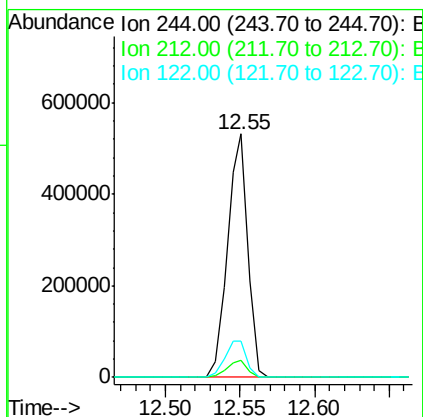
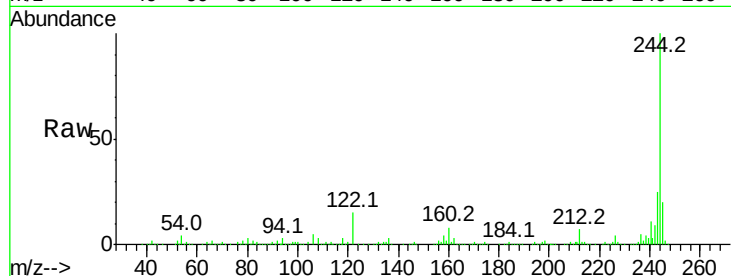
ClientSampleId :

HDD-PILWC4MSD

Tot Ion:	244	Resp:	509104
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	15.0	10.3	15.5

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#79

Butylbenzylphthalate

Concen: 31.794 ng

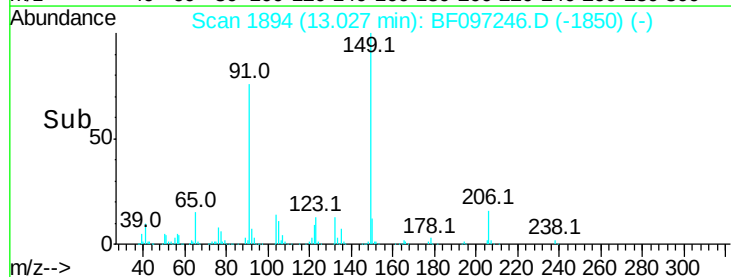
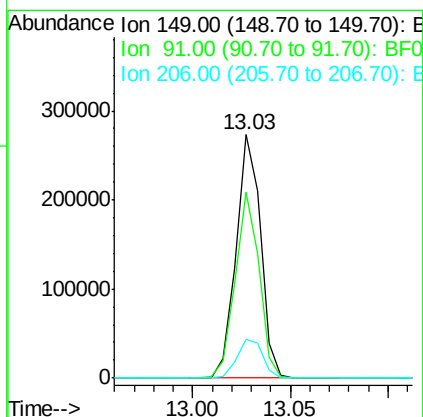
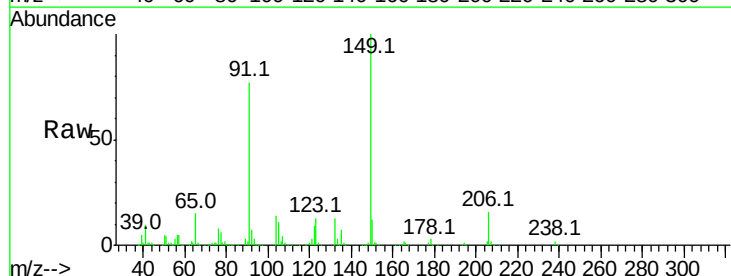
RT: 13.03 min Scan# 1894

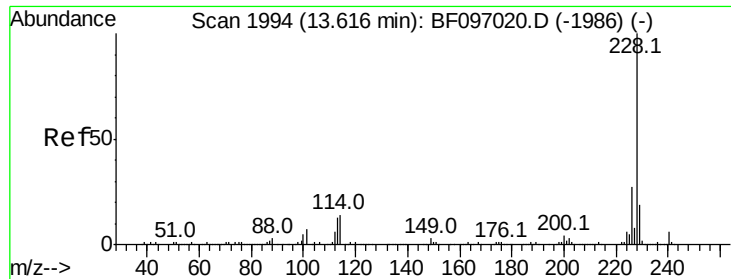
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:	149	Resp:	237383
Ion Ratio	Lower	Upper	
149	100		
91	76.5	45.0	67.4#
206	15.8	17.0	25.6#





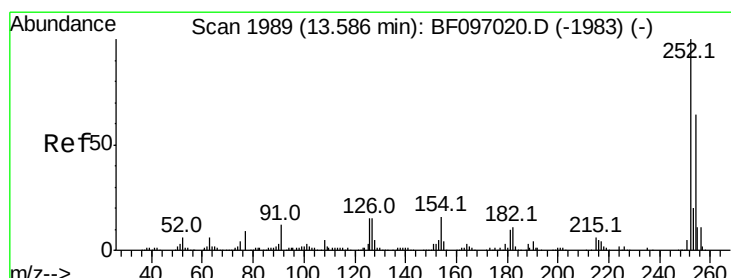
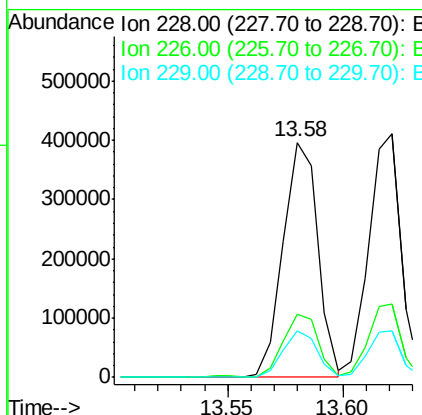
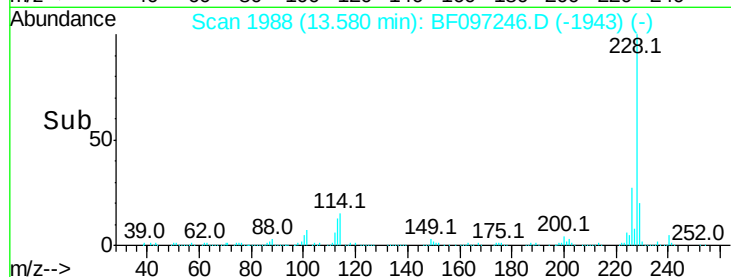
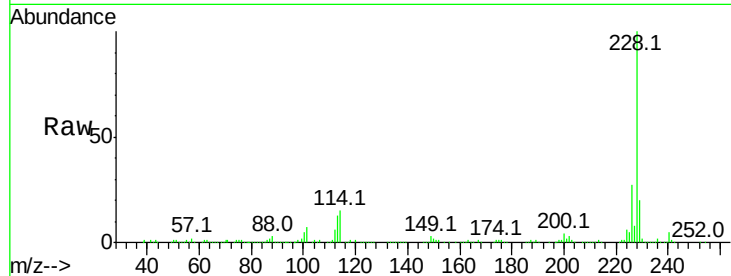
#80
Benzo(a)anthracene
Concen: 35.626 ng
RT: 13.58 min Scan# 1988
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	19.6	16.3	24.5

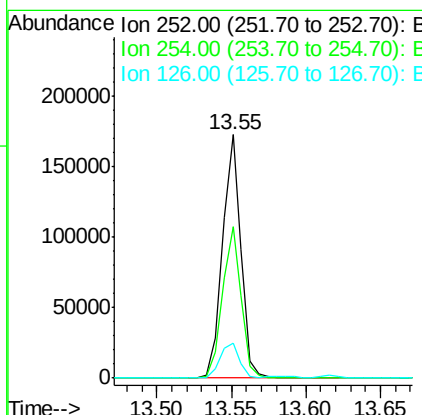
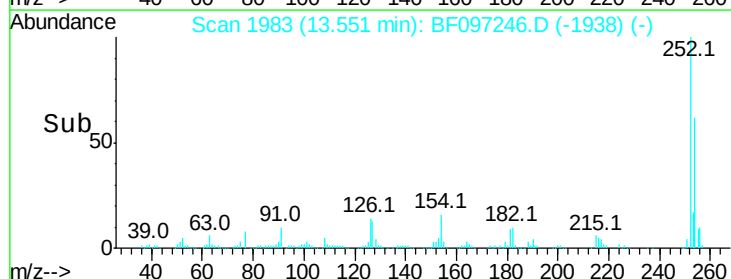
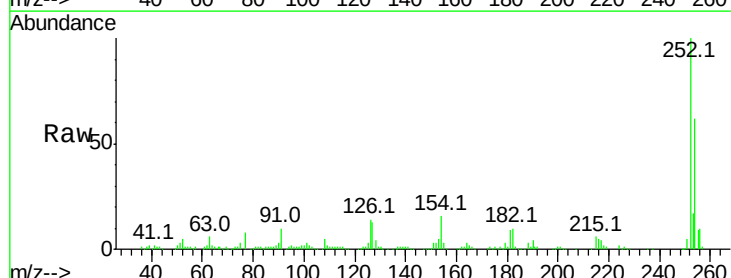
Manual Integrations
APPROVED

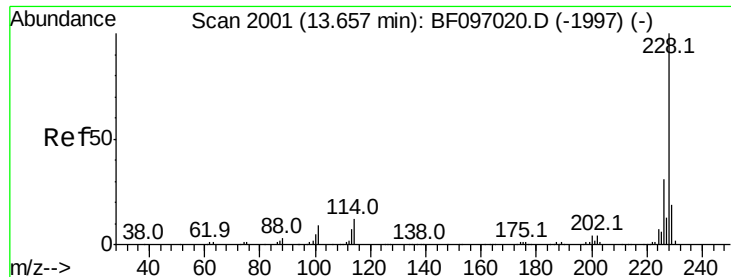
Sohil
8/2/2017 7:15:26 PM



#81
3,3'-Dichlorobenzidine
Concen: 34.526 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.3	51.5	77.3
126	14.4	15.8	23.8





#82

Chrysene

Concen: 35.192 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

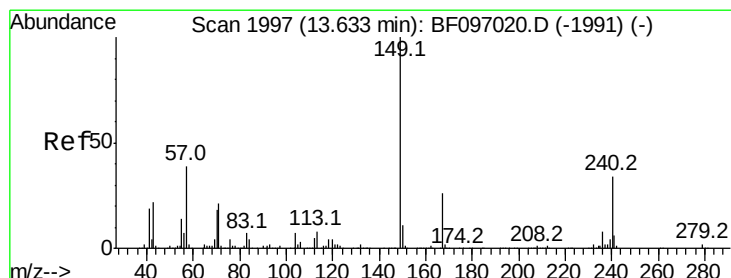
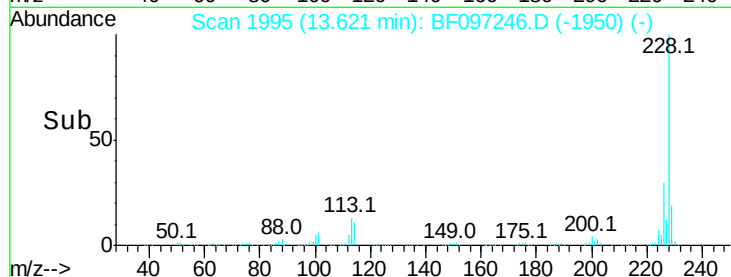
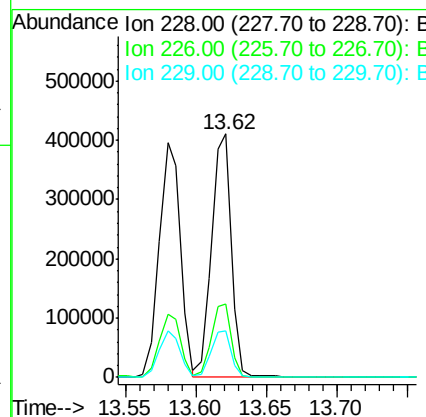
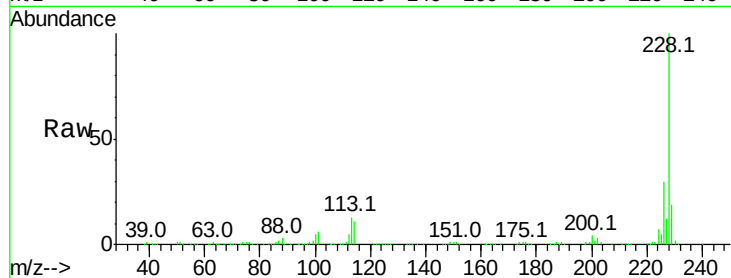
ClientSampleId :

HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	19.1	15.8	23.6

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 32.154 ng

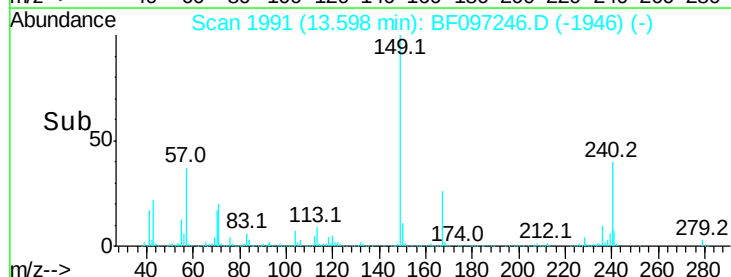
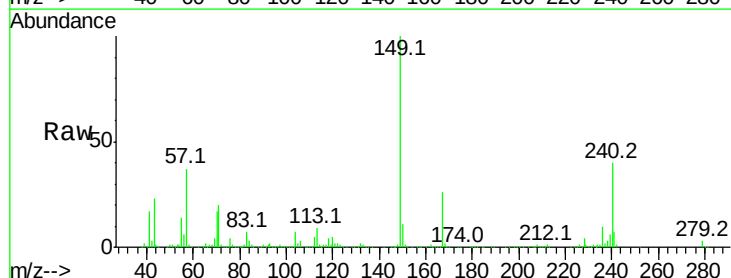
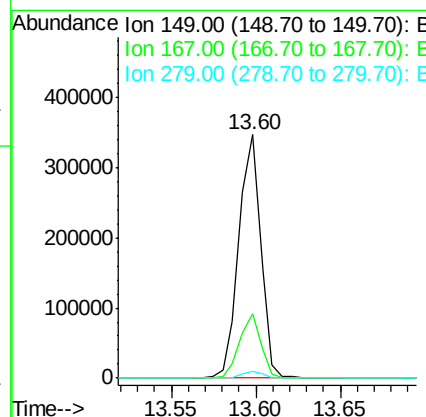
RT: 13.60 min Scan# 1991

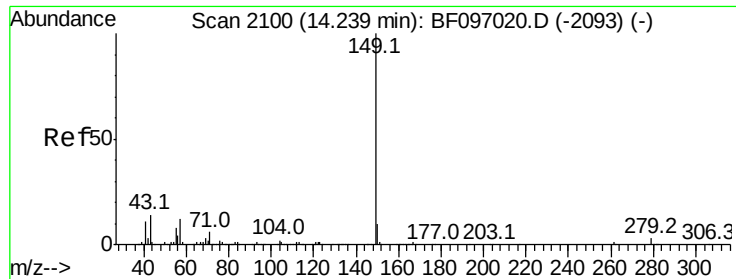
Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.5	1.9	2.9





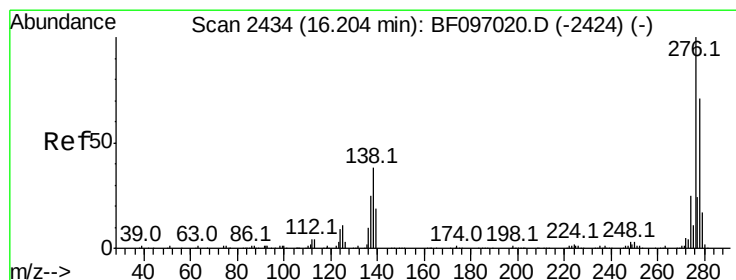
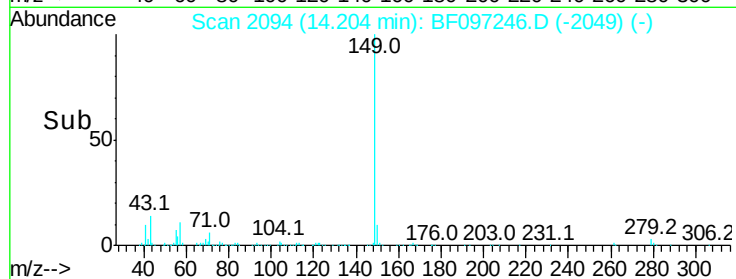
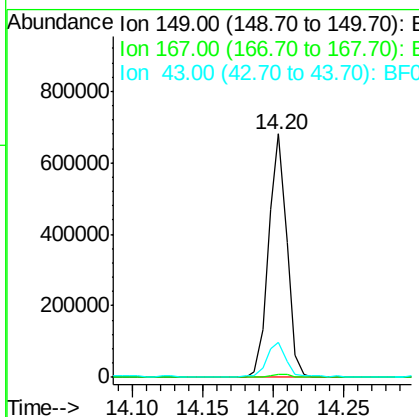
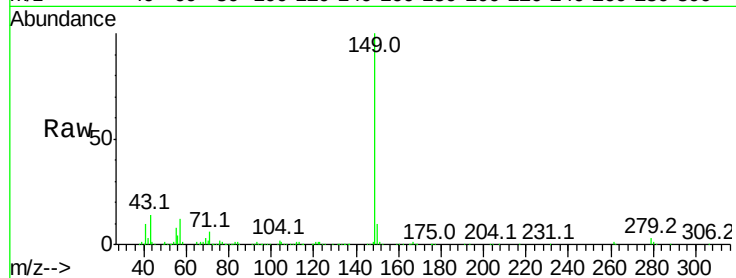
#84
Di-n-octyl phthalate
Concen: 34.596 ng
RT: 14.20 min Scan# 2094
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.2	1.8
43	14.3	8.5	12.7

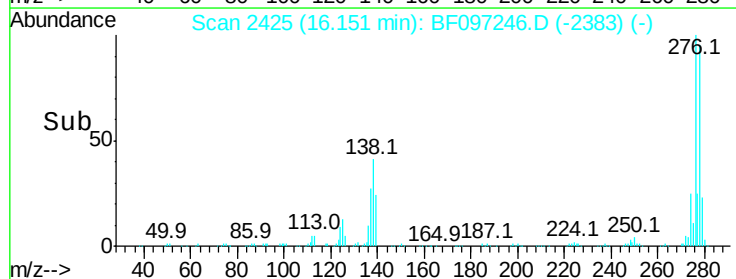
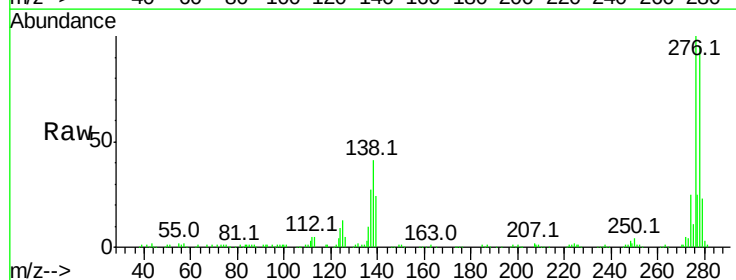
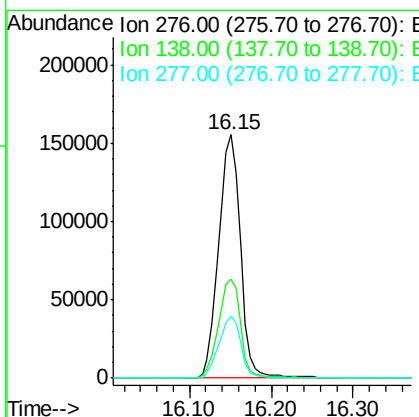
Manual Integrations
APPROVED

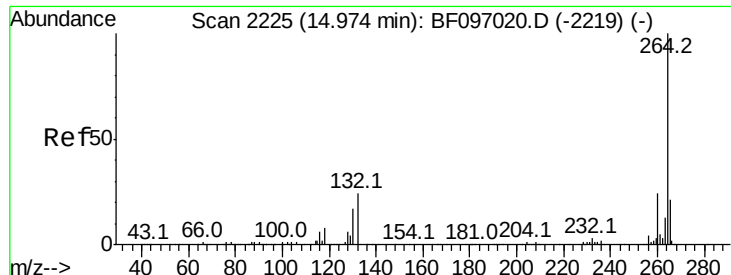
Sohil
8/2/2017 7:15:26 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 29.824 ng
RT: 16.15 min Scan# 2425
Delta R.T. -0.05 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	40.9	27.8	41.6
277	25.5	20.2	30.4





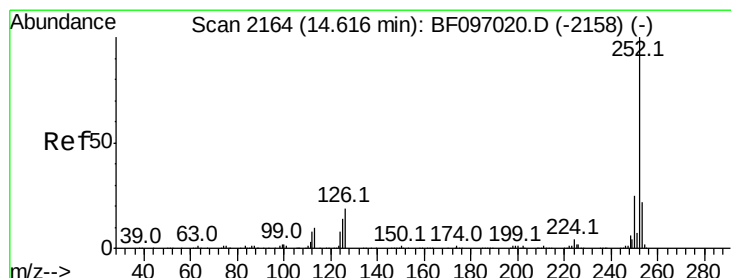
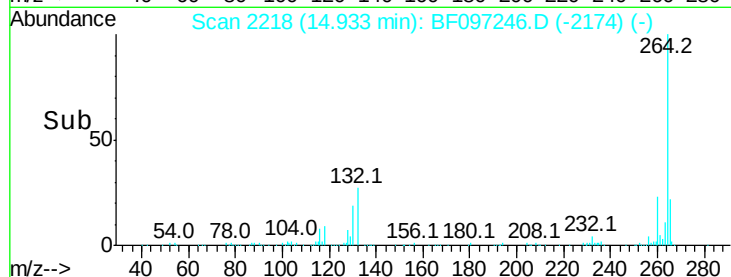
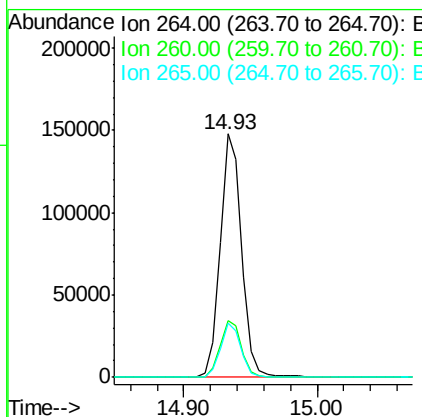
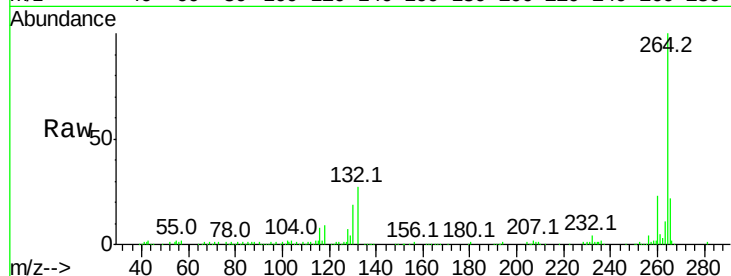
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.93 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.2	17.2	25.8

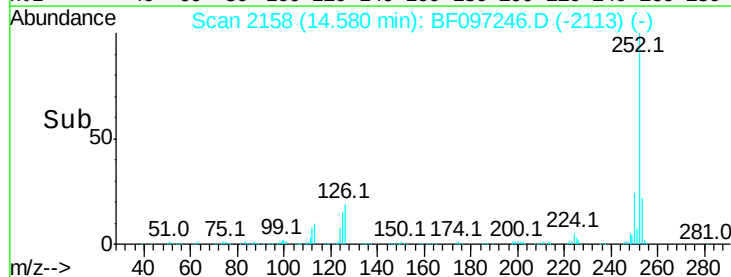
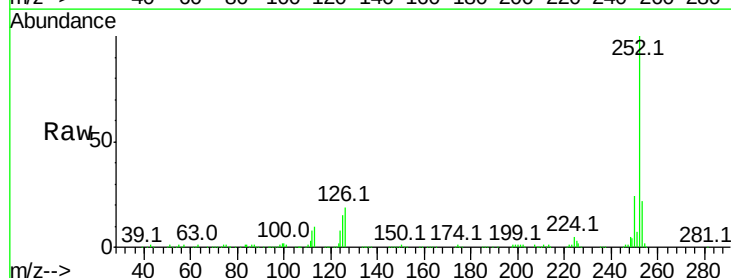
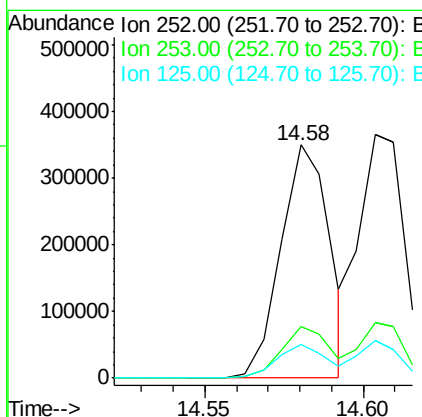
Manual Integrations
APPROVED

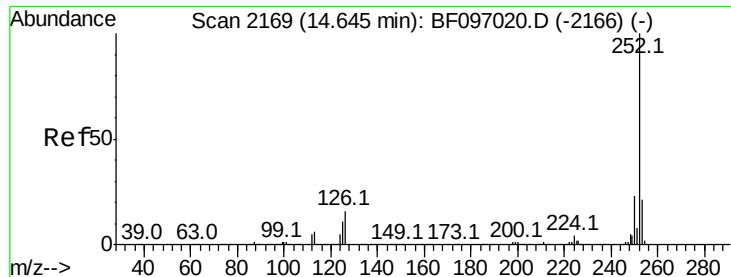
Sohil
8/2/2017 7:15:26 PM



#87
Benzo(b)fluoranthene
Concen: 37.284 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.7	9.8	14.8





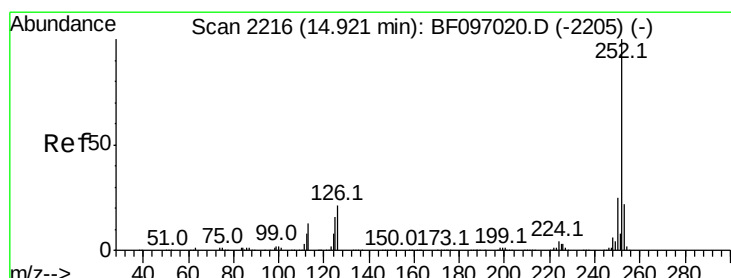
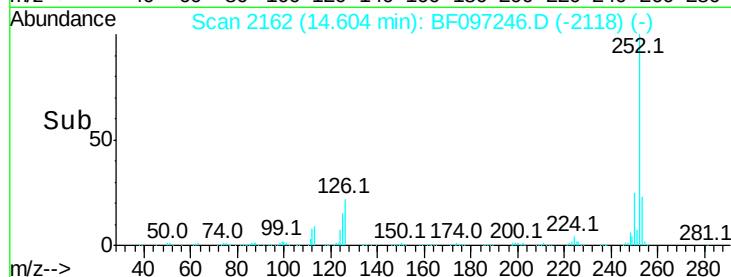
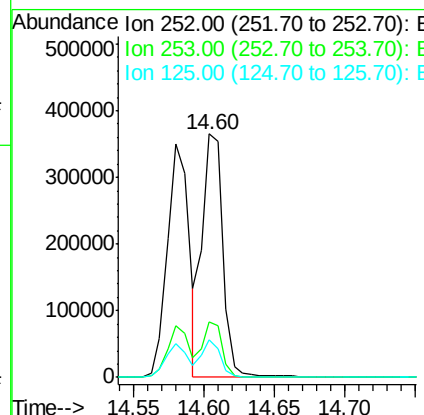
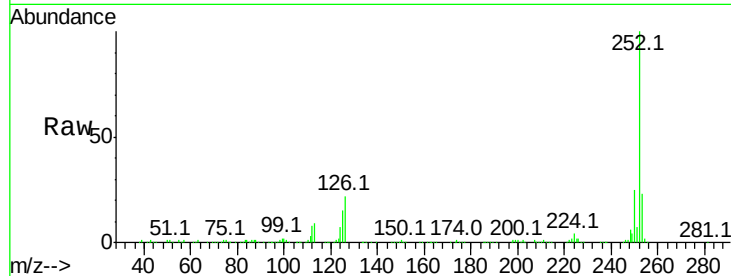
#88
Benzo(k)fluoranthene
Concen: 38.637 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.4	13.1	19.7

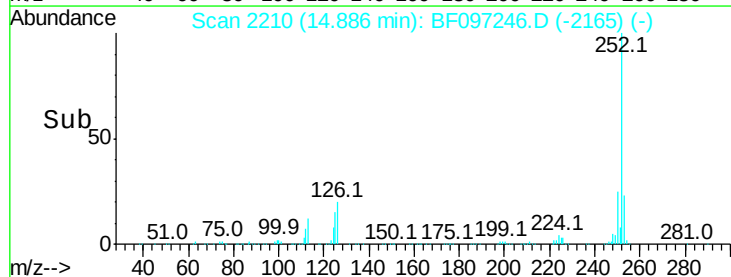
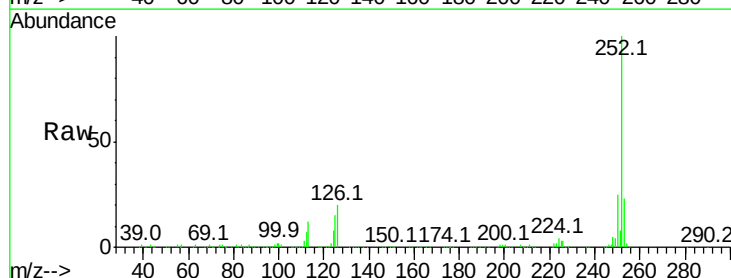
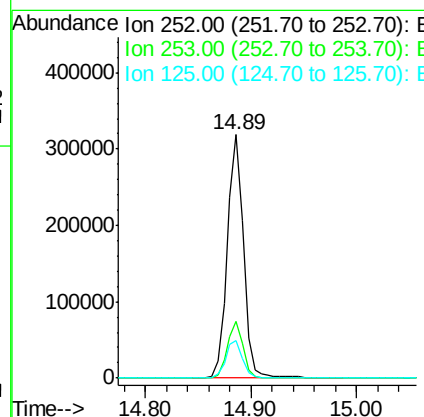
Manual Integrations
APPROVED

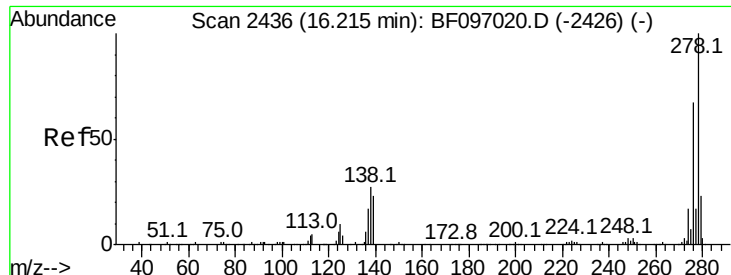
Sohil
8/2/2017 7:15:26 PM



#89
Benzo(a)pyrene
Concen: 37.022 ng
RT: 14.89 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.3	11.0	16.4





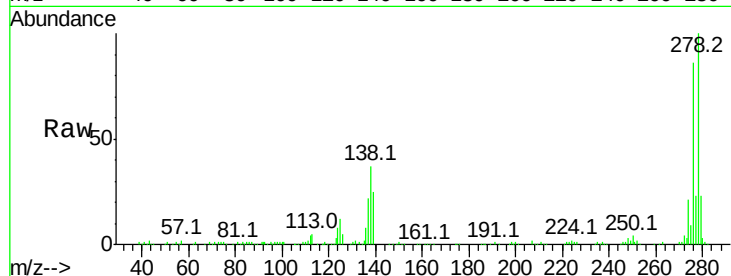
#90
Dibenzo(a,h)anthracene
Concen: 33.249 ng
RT: 16.16 min Scan# 2426
Delta R.T. -0.06 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

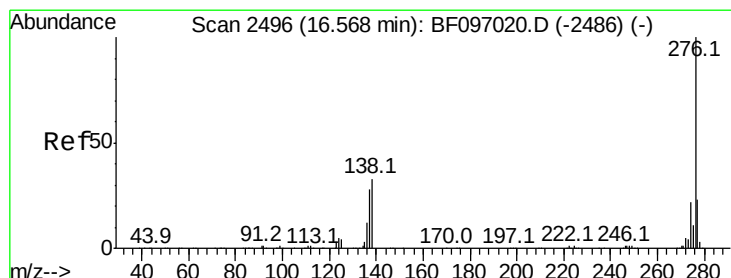
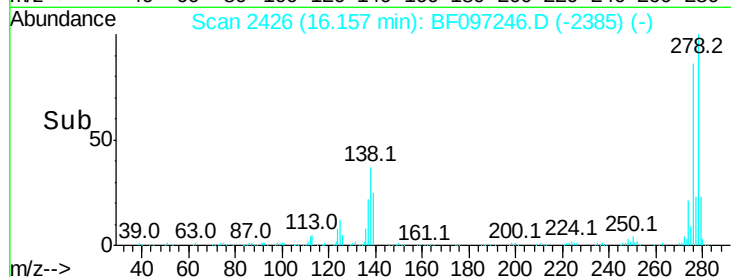
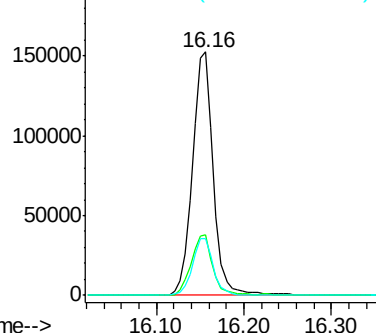
Tot Ion	Ratio	Lower	Upper
278	100		
139	24.8	16.6	24.8#
279	23.4	19.3	28.9

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:26 PM



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(g,h,i)perylene
Concen: 29.746 ng
RT: 16.50 min Scan# 2485
Delta R.T. -0.06 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	33.7	25.4	38.0

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

