

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097282.D
 Acq On : 2 Aug 2017 19:20
 Operator : SJ/JU
 Sample : I4534-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:08 PM

Quant Time: Aug 02 23:33:02 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	6.45	152	117482	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	502734	20.00	ng	-0.05
38) Acenaphthene-d10	9.48	164	221107	20.00	ng	-0.05
63) Phenanthrene-d10	10.95	188	366104	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	223101	20.00	ng	-0.05
86) Perylene-d12	14.92	264	201364	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	759049	97.40	ng	-0.04
7) Phenol-d6	6.13	99	892153	100.28	ng	-0.04
23) Nitrobenzene-d5	7.03	82	575528	67.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.27	330	196233	112.33	ng	-0.05
44) 2-Fluorobiphenyl	8.82	172	887614	68.13	ng	-0.05
78) Terphenyl-d14	12.53	244	725256	66.28	ng	-0.05

Target Compounds				Qvalue		
2) 1,4-Dioxane	1.98	88	94936	29.191	ng	# 71
3) Pyridine	2.59	79	267189	26.830	ng	# 62
4) n-Nitrosodimethylamine	2.54	42	177614	32.194	ng	# 78
6) Aniline	6.12	93	353801	31.601	ng	92
8) 2-Chlorophenol	6.25	128	285717	34.287	ng	98
9) Benzaldehyde	5.99	77	163427	31.034	ng	96
10) Phenol	6.14	94	372214	35.271	ng	95
11) bis(2-Chloroethyl)ether	6.20	93	270325	32.388	ng	90
12) 1,3-Dichlorobenzene	6.39	146	287166	31.977	ng	98
13) 1,4-Dichlorobenzene	6.47	146	328621	36.925	ng	95
14) 1,2-Dichlorobenzene	6.62	146	280263	36.067	ng	99
15) Benzyl Alcohol	6.62	79	245205	43.531	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.75	45	634028	37.873	ng	61
17) 2-Methylphenol	6.74	107	251713	39.138	ng	# 89
18) Hexachloroethane	6.96	117	107407	32.988	ng	# 80
19) n-Nitroso-di-n-propylamine	6.89	70	209280	35.736	ng	# 82
20) 3+4-Methylphenols	6.90	107	325888	38.797	ng	# 63
22) Acetophenone	6.87	105	410690	34.017	ng	97
24) Nitrobenzene	7.05	77	302582	33.902	ng	91
25) Isophorone	7.29	82	615542	36.677	ng	99
26) 2-Nitrophenol	7.36	139	164247	34.015	ng	91
27) 2,4-Dimethylphenol	7.42	122	264255	33.175	ng	96
28) bis(2-Chloroethoxy)methane	7.50	93	386608	35.300	ng	98
29) 2,4-Dichlorophenol	7.61	162	269594	39.288	ng	94
30) 1,2,4-Trichlorobenzene	7.68	180	237484	36.309	ng	97
31) Naphthalene	7.76	128	891576	37.622	ng	99
32) Benzoic acid	7.54	122	38142	6.413	ng	# 78
33) 4-Chloroaniline	7.82	127	339339	35.191	ng	99
34) Hexachlorobutadiene	7.88	225	117191	33.797	ng	97
35) Caprolactam	8.19	113	92534m	42.054	ng	
36) 4-Chloro-3-methylphenol	8.33	107	282210	37.697	ng	90
37) 2-Methylnaphthalene	8.45	142	548817	36.577	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.62	216	206608	35.020	ng	99
40) Hexachlorocyclopentadiene	8.60	237	113102	56.897	ng	100

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097282.D
 Acq On : 2 Aug 2017 19:20
 Operator : SJ/JU
 Sample : I4534-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

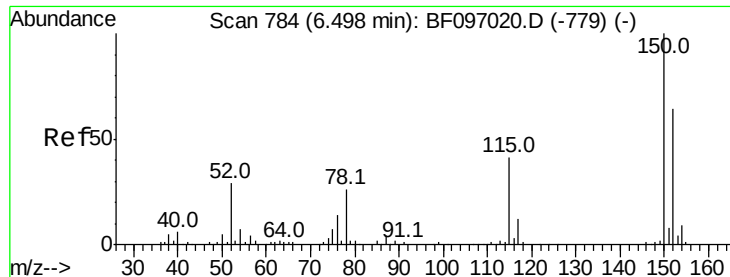
Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:08 PM

Quant Time: Aug 02 23:33:02 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	8.74	196	142722	33.383	nq	98
43) 2,4,5-Trichlorophenol	8.79	196	152127	35.550	nq	97
45) 1,1'-Biphenyl	8.91	154	619526	32.804	nq	98
46) 2-Chloronaphthalene	8.93	162	473230	34.051	nq	94
47) 2-Nitroaniline	9.04	65	213468	42.324	nq	97
48) Acenaphthylene	9.34	152	718070	33.662	nq	99
49) Dimethylphthalate	9.23	163	760832	45.313	nq	99
50) 2,6-Dinitrotoluene	9.29	165	131123	36.820	nq #	85
51) Acenaphthene	9.52	154	462544	36.811	nq	98
52) 3-Nitroaniline	9.45	138	162243	36.705	nq	96
53) 2,4-Dinitrophenol	9.57	184	69317	42.810	nq #	75
54) Dibenzofuran	9.69	168	646508	38.628	nq	97
55) 4-Nitrophenol	9.65	139	154280	58.692	nq #	69
56) 2,4-Dinitrotoluene	9.69	165	167839	40.998	nq #	73
57) Fluorene	10.03	166	486519	38.677	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.82	232	123456	41.783	nq	98
59) Diethylphthalate	9.92	149	583755	37.896	nq	99
60) 4-Chlorophenyl-phenylether	10.02	204	200324	38.565	nq	97
61) 4-Nitroaniline	10.07	138	159520	37.980	nq	93
62) Azobenzene	10.18	77	651821	45.613	nq	92
64) 4,6-Dinitro-2-methylphenol	10.10	198	94781	41.663	nq	90
65) n-Nitrosodiphenylamine	10.15	169	499666	39.226	nq	96
66) 4-Bromophenyl-phenylether	10.50	248	141387	38.698	nq	93
67) Hexachlorobenzene	10.57	284	146669	35.798	nq #	89
68) Atrazine	10.68	200	151248	41.407	nq	93
69) Pentachlorophenol	10.77	266	111229	65.613	nq	99
70) Phenanthrene	10.98	178	756202	38.550	nq	98
71) Anthracene	11.03	178	771136	38.382	nq	99
72) Carbazole	11.19	167	763605	38.646	nq	99
73) Di-n-butylphthalate	11.53	149	929827	38.070	nq	98
74) Fluoranthene	12.16	202	812185	42.264	nq	98
76) Benzidine	12.29	184	441860	53.377	nq #	93
77) Pyrene	12.38	202	780715	42.745	nq	99
79) Butylbenzylphthalate	13.02	149	430818	46.371	nq #	81
80) Benzo(a)anthracene	13.56	228	552878	38.300	nq	99
81) 3,3'-Dichlorobenzidine	13.53	252	159650	29.327	nq #	97
82) Chrysene	13.60	228	542673	38.499	nq	100
83) Bis(2-ethylhexyl)phthalate	13.58	149	495341	40.834	nq	98
84) Di-n-octyl phthalate	14.19	149	871795	39.162	nq #	93
85) Indeno(1,2,3-cd)pyrene	16.13	276	430912	35.651	nq	98
87) Benzo(b)fluoranthene	14.56	252	471626	38.963	nq	97
88) Benzo(k)fluoranthene	14.59	252	419484	36.368	nq	98
89) Benzo(a)pyrene	14.87	252	420874	37.991	nq	98
90) Dibenzo(a,h)anthracene	16.13	278	350551	38.587	nq #	95
91) Benzo(g,h,i)perylene	16.48	276	385549	40.470	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tot Ion:152 Resp: 117482

Ion Ratio Lower Upper

152 100

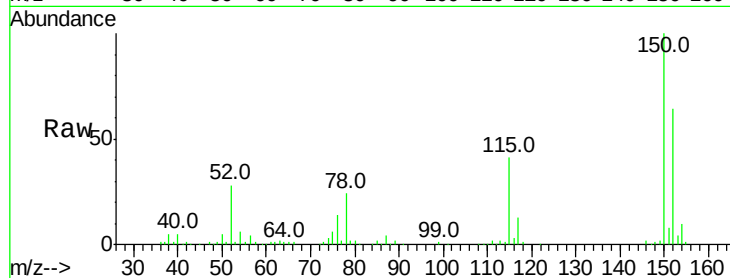
150 155.9 126.2 189.2

115 63.7 52.2 78.2

Manual Integrations
APPROVED

Sohil

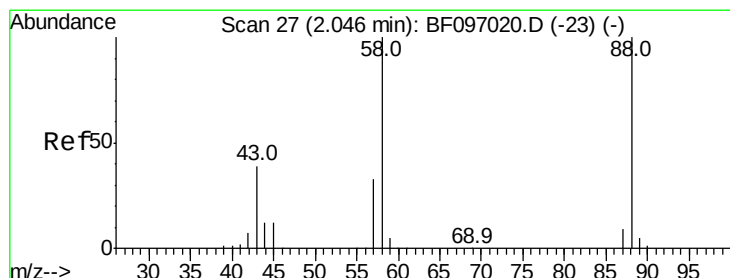
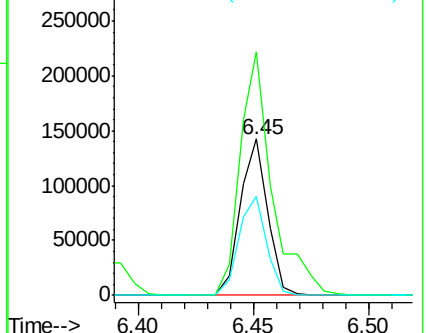
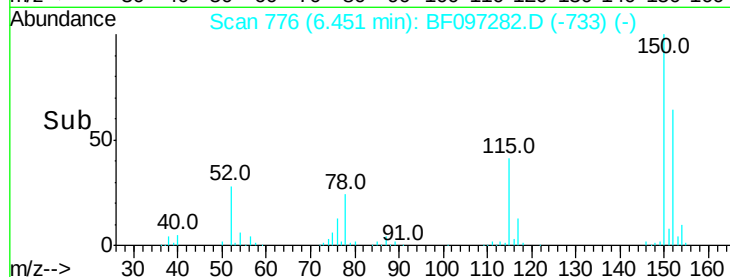
8/3/2017 6:08:08 PM



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: 29.191 ng

RT: 1.98 min Scan# 16

Delta R.T. -0.06 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

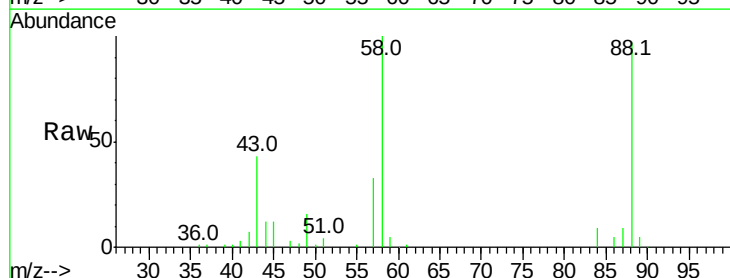
Tgt Ion: 88 Resp: 94936

Ion Ratio Lower Upper

88 100

58 103.6 61.4 92.0#

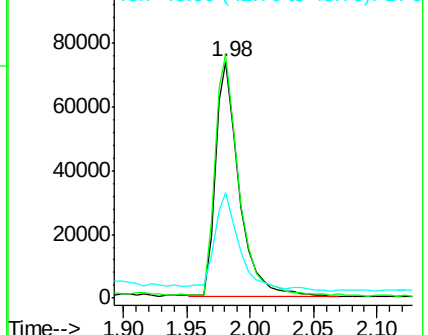
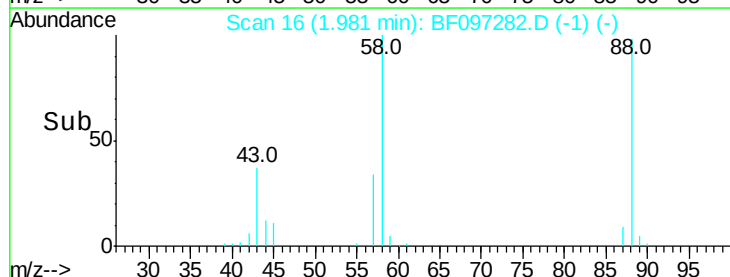
43 41.5 23.4 35.0#

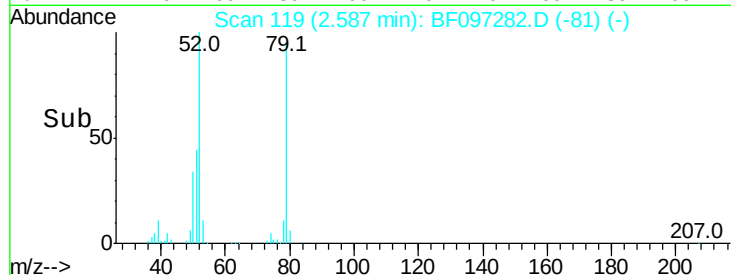
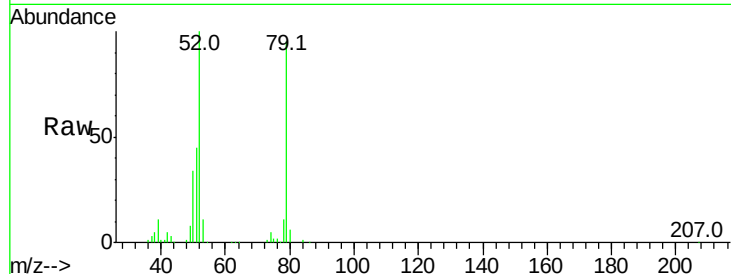
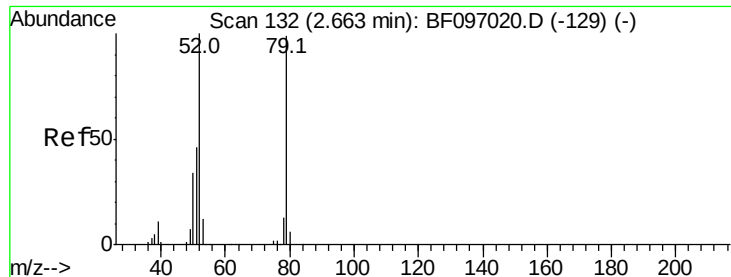


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





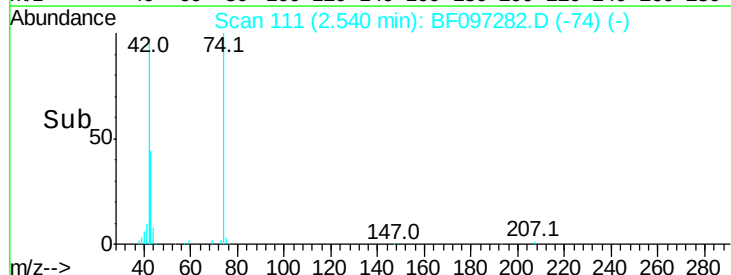
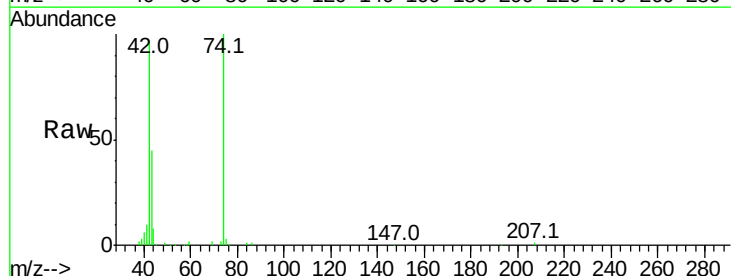
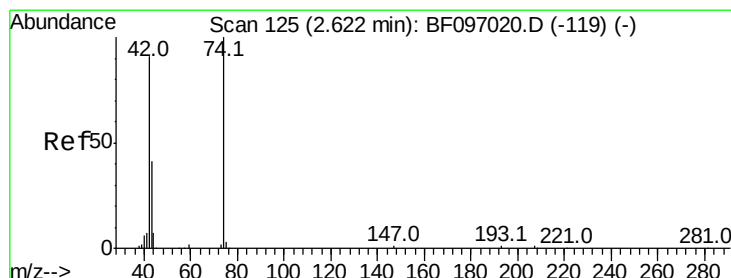
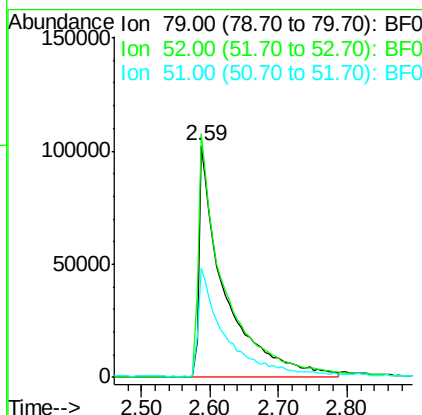
#3
Pvridine
Concen: 26.830 ng
RT: 2.59 min Scan# 119
Delta R.T. -0.08 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	105.2	54.8	82.2#		
51	47.4	27.0	40.4#		

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

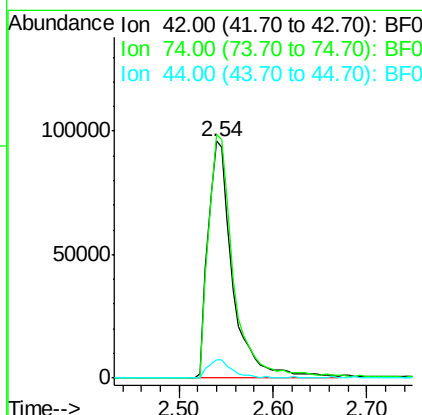
Manual Integrations
APPROVED

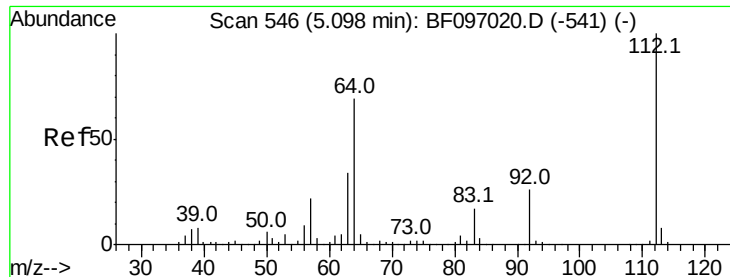
Sohil
8/3/2017 6:08:08 PM



#4
n-Nitrosodimethylamine
Concen: 32.194 ng
RT: 2.54 min Scan# 111
Delta R.T. -0.08 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	102.7	103.9	155.9#		
44	8.0	5.7	8.5		





#5

2-Fluorophenol

Concen: 97.399 ng

RT: 5.06 min Scan# 539

Delta R.T. -0.04 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

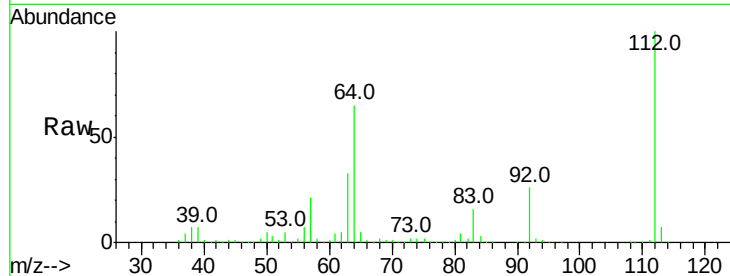
ClientSampleId :

72-11938MSD

Tot Ion:	112	Resp:	759049
Ion Ratio	Lower	Upper	
112	100		
64	65.0	46.0	69.0
63	33.1	23.4	35.0

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM

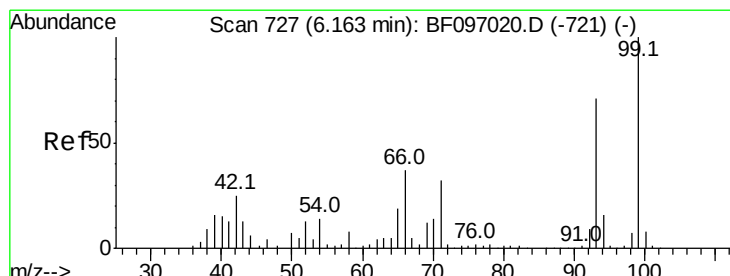
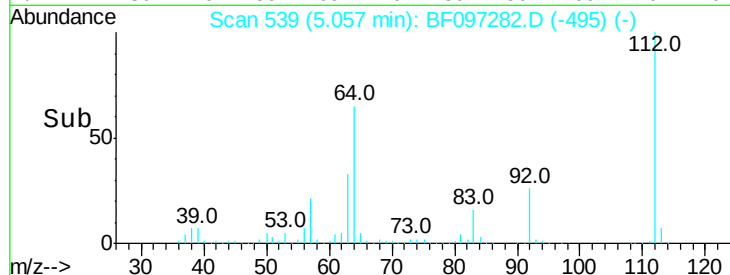
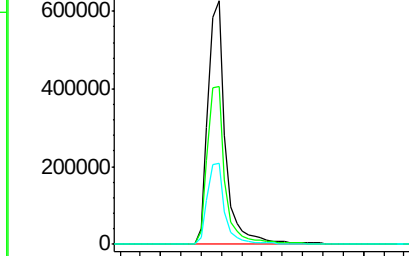


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

5.06



#6

Aniline

Concen: 31.601 ng

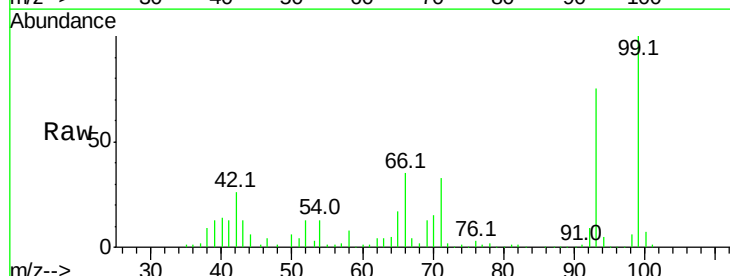
RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	93	Resp:	353801
Ion Ratio	Lower	Upper	
93	100		
66	46.9	32.9	49.3
65	22.8	16.0	24.0

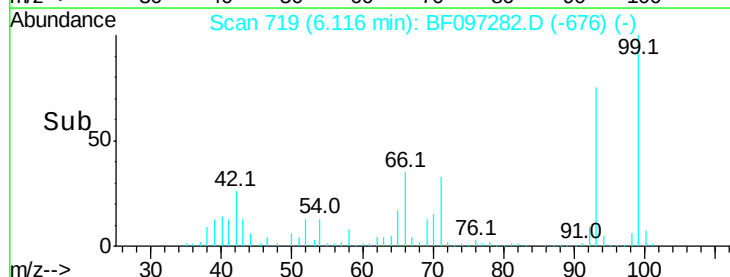
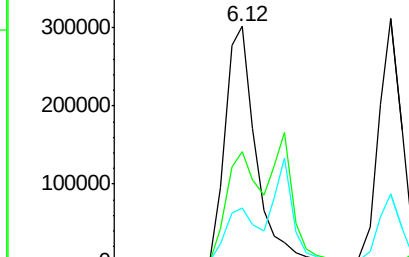


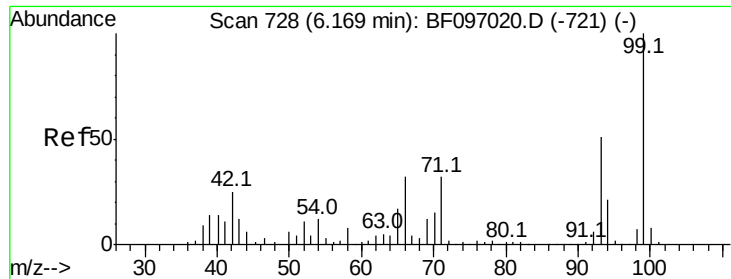
Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

6.12





#7

Phenol-d6

Concen: 100.277 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

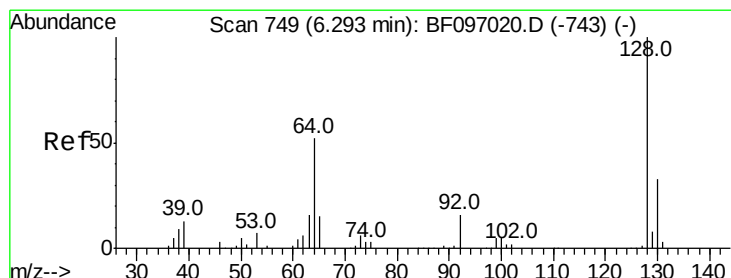
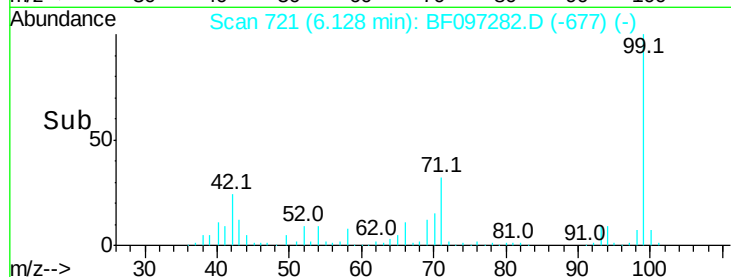
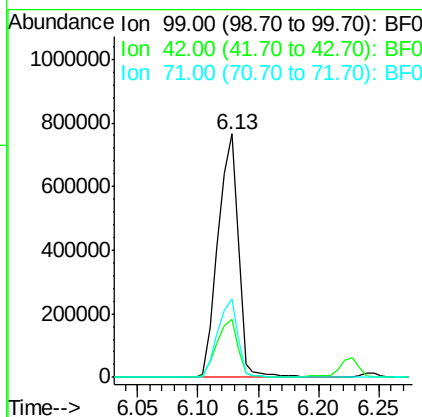
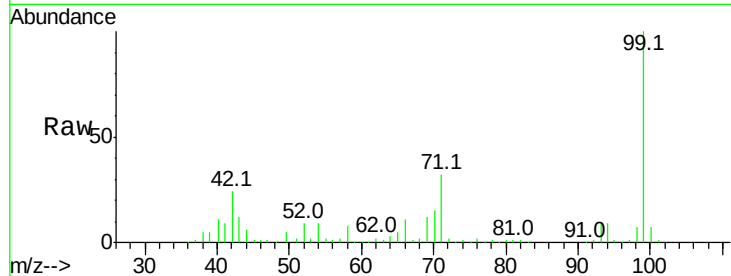
ClientSampleId :

72-11938MSD

Tot Ion:	99	Resp:	892153
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	32.4	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#8

2-Chlorophenol

Concen: 34.287 ng

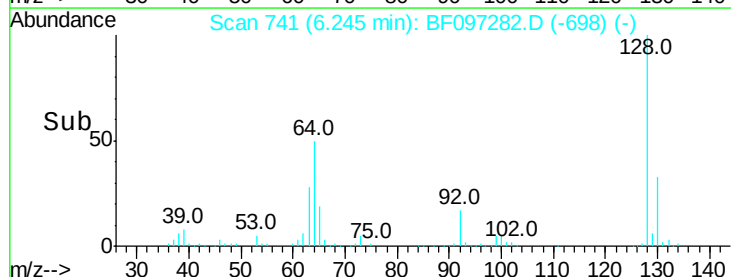
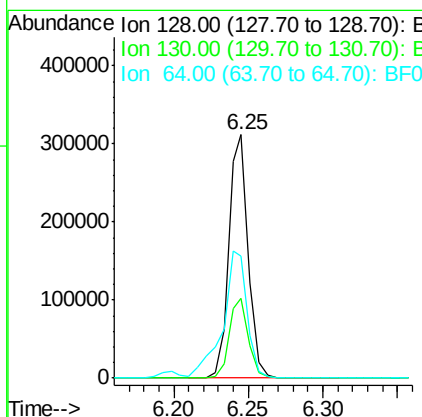
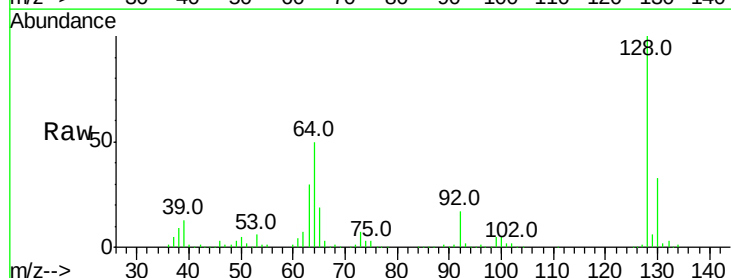
RT: 6.25 min Scan# 741

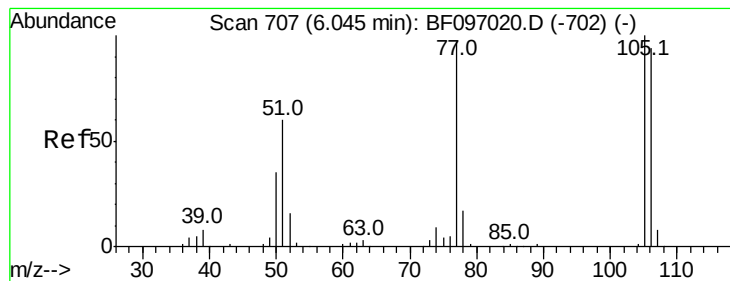
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	128	Resp:	285717
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.9	52.9
64	50.4	28.4	68.4





#9

Benzaldehyde

Concen: 31.034 ng

RT: 5.99 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

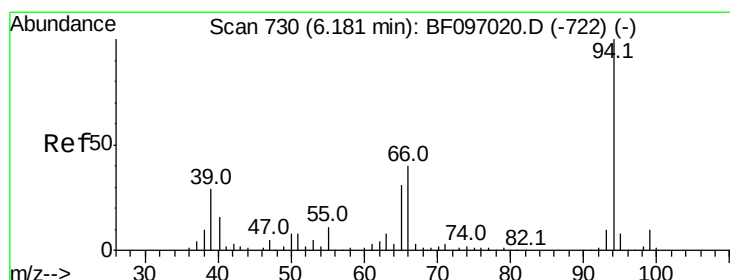
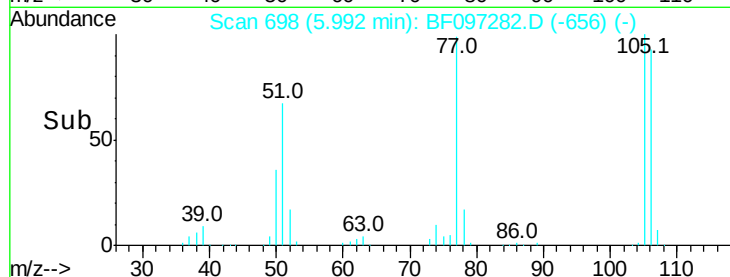
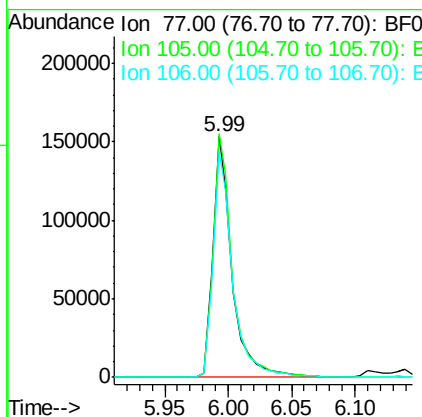
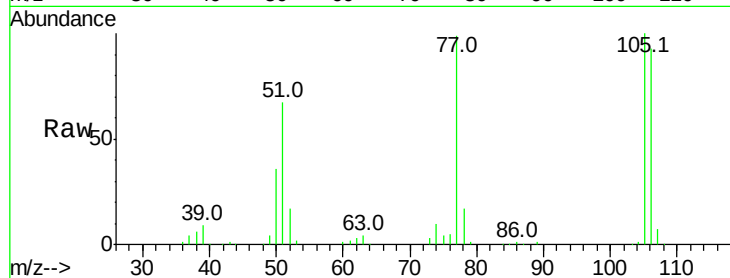
ClientSampleId :

72-11938MSD

Tot Ion:	77	Resp:	163427
Ion Ratio	Lower	Upper	
77	100		
105	101.2	83.8	123.8
106	94.0	79.1	119.1

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#10

Phenol

Concen: 35.271 ng

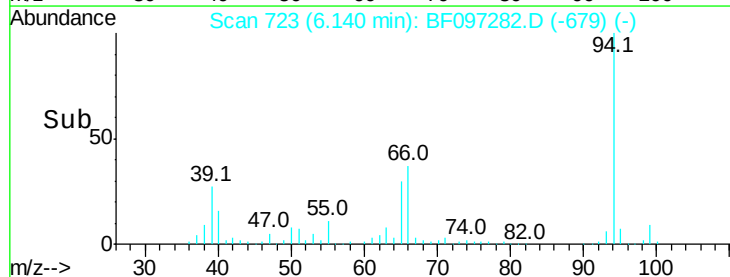
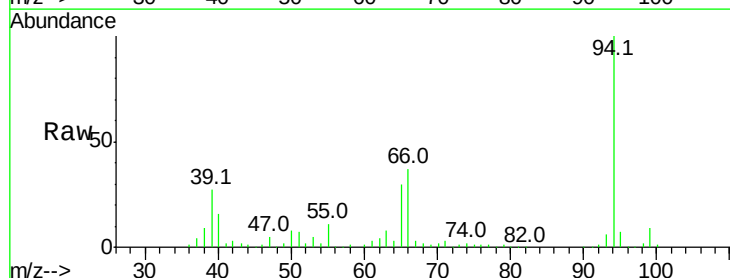
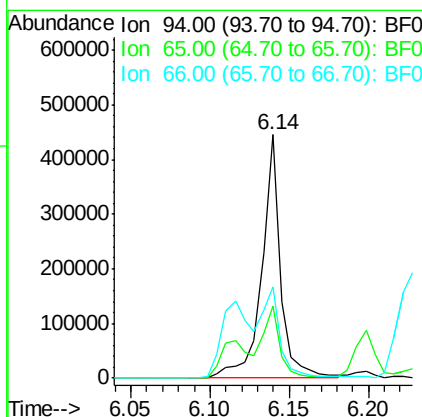
RT: 6.14 min Scan# 723

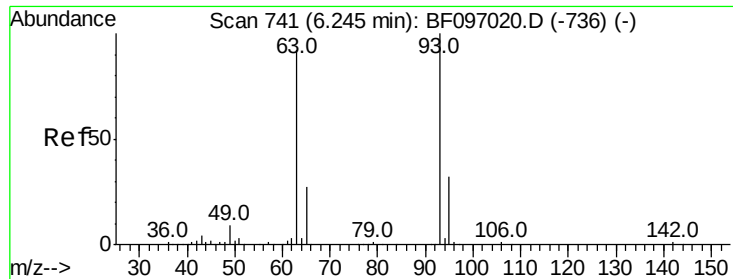
Delta R.T. -0.04 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	94	Resp:	372214
Ion Ratio	Lower	Upper	
94	100		
65	29.8	9.9	49.9
66	37.3	23.1	63.1





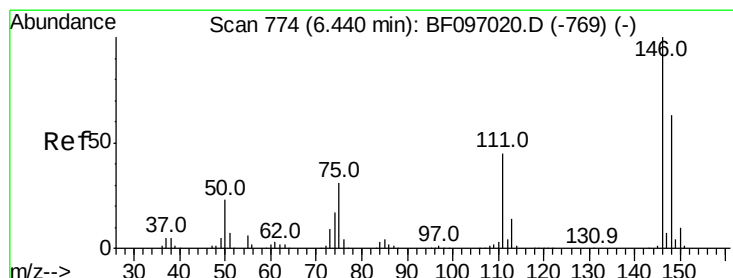
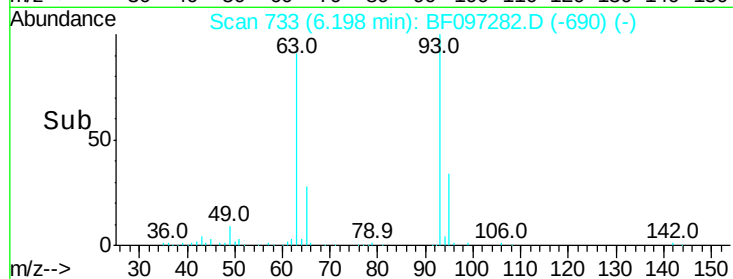
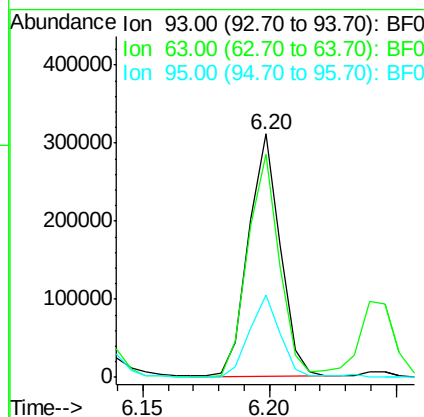
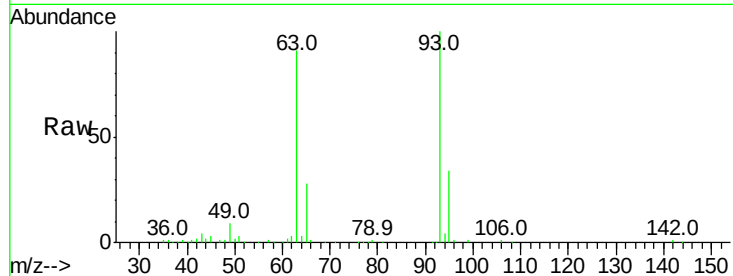
#11
bis(2-Chloroethyl)ether
Concen: 32.388 ng
RT: 6.20 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	93	Resp	270325
Ion Ratio	100	Lower	Upper
93	100		
63	91.4	59.2	99.2
95	33.6	12.8	52.8

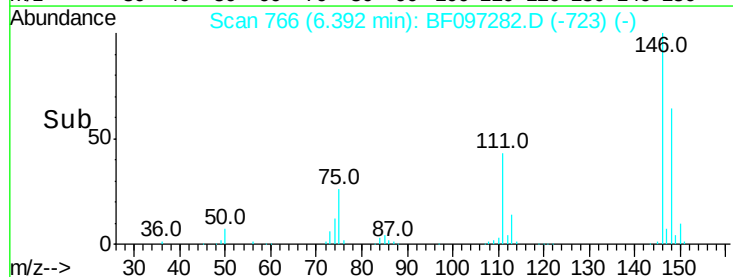
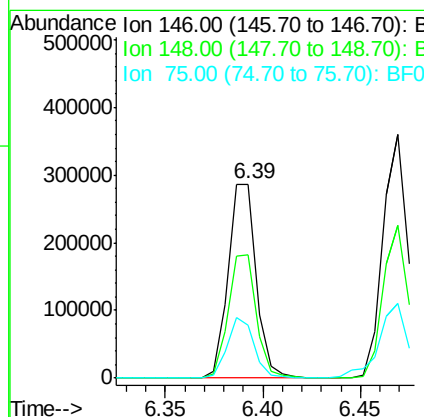
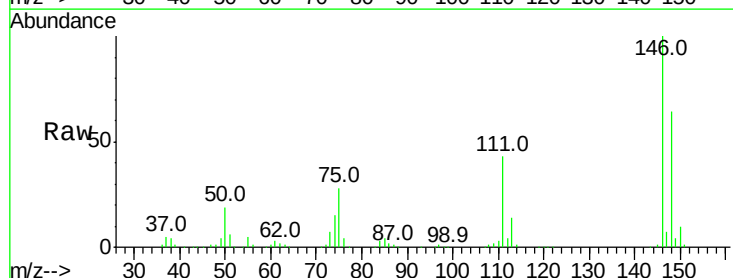
Manual Integrations
APPROVED

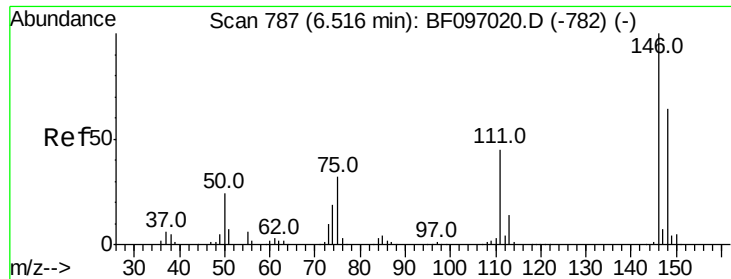
Sohil
8/3/2017 6:08:08 PM



#12
1,3-Dichlorobenzene
Concen: 31.977 ng
RT: 6.39 min Scan# 766
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	146	Resp	287166
Ion Ratio	100	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	27.6	23.1	34.7





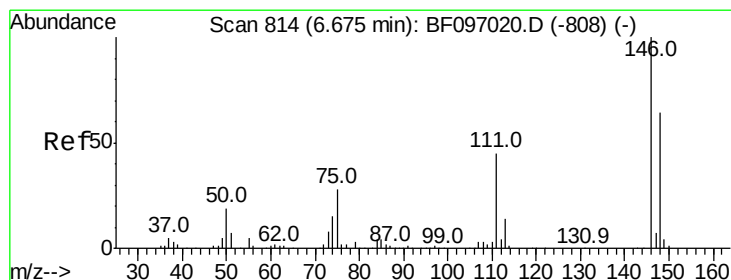
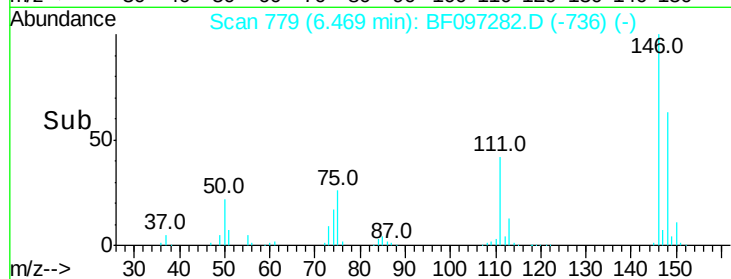
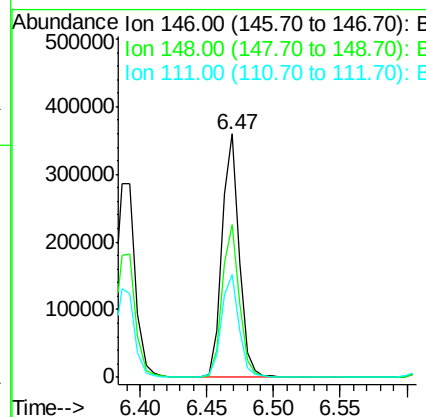
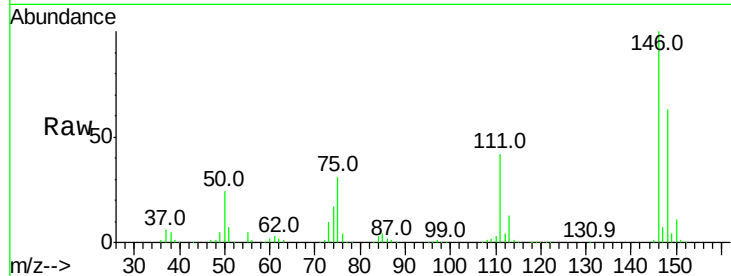
#13
 1,4-Dichlorobenzene
 Concen: 36.925 ng
 RT: 6.47 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleID :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.2	78.2
111	42.5	30.3	45.5

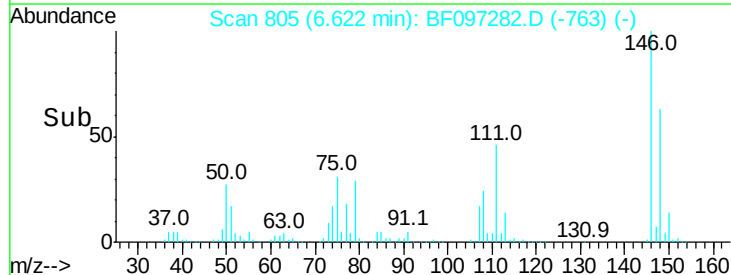
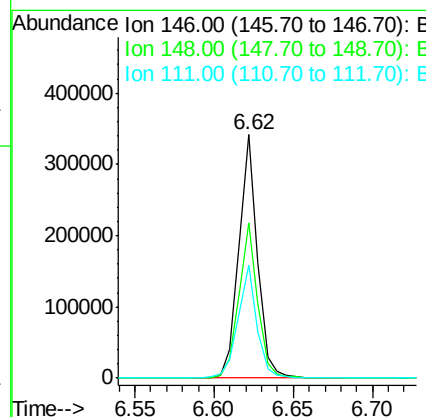
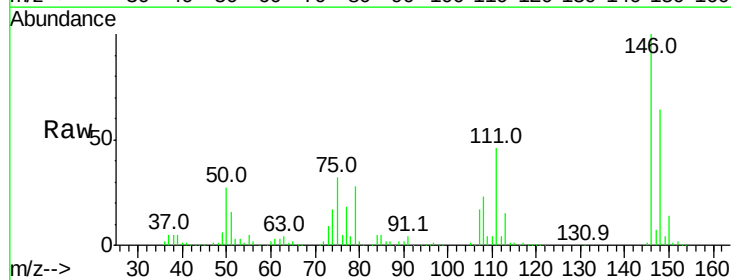
Manual Integrations
 APPROVED

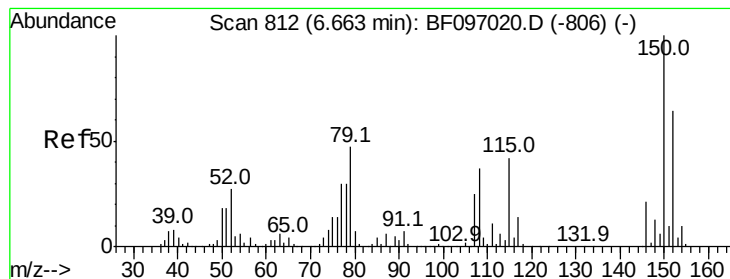
Sohil
 8/3/2017 6:08:08 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.067 ng
 RT: 6.62 min Scan# 805
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	46.3	38.2	57.4





#15

Benzyl Alcohol

Concen: 43.531 ng

RT: 6.62 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tot Ion: 79 Resp: 245205

Ion Ratio Lower Upper

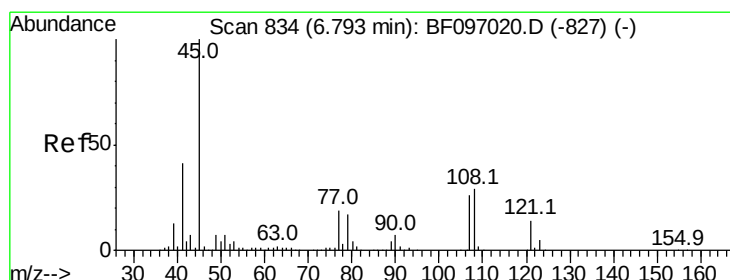
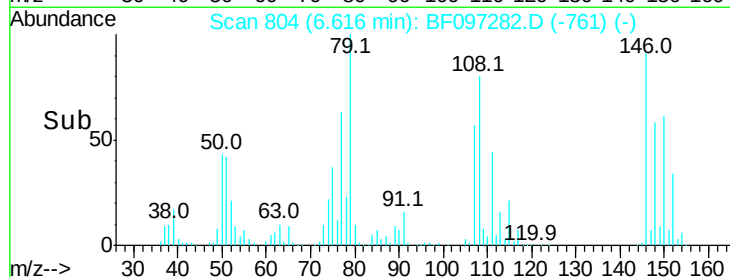
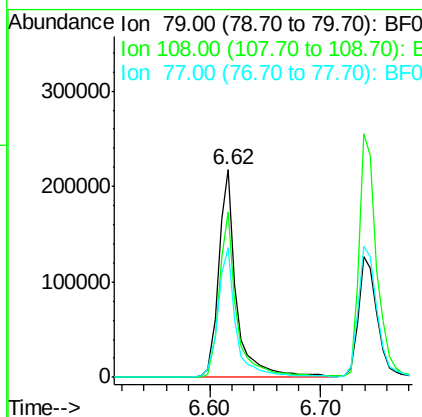
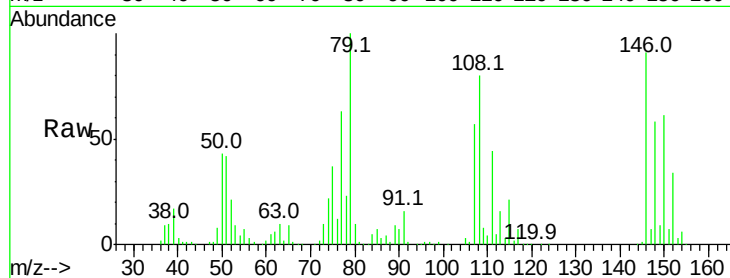
79 100

108 79.9 63.4 95.0

77 62.6 49.2 73.8

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.873 ng

RT: 6.75 min Scan# 826

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

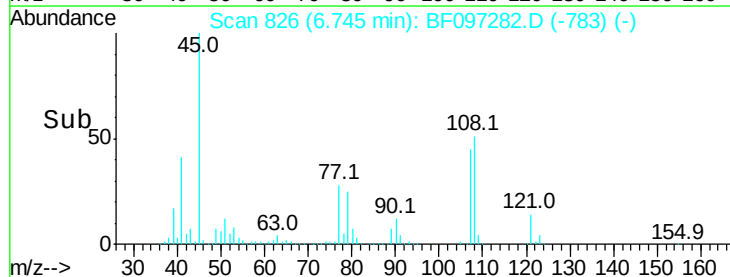
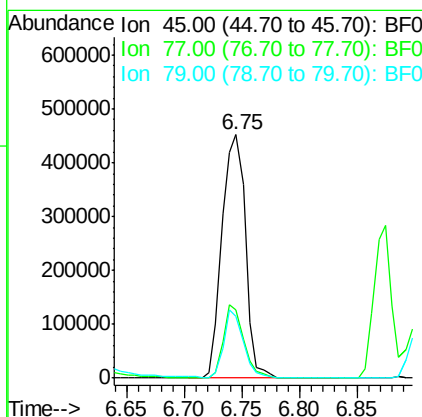
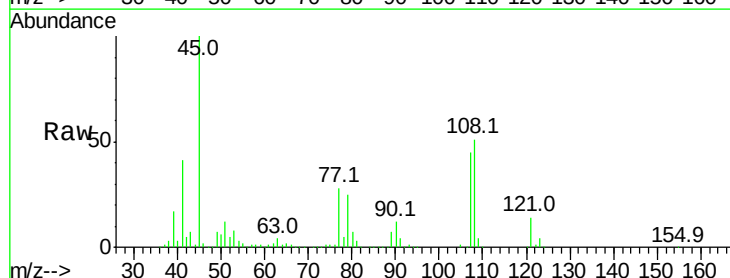
Tgt Ion: 45 Resp: 634028

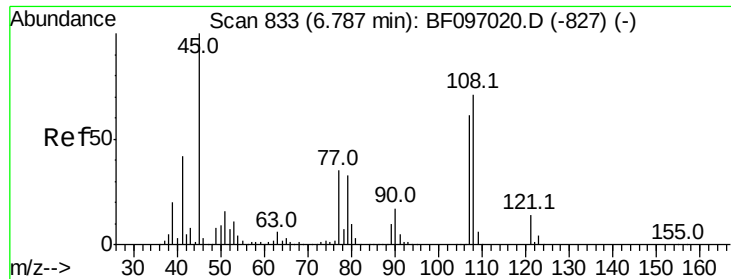
Ion Ratio Lower Upper

45 100

77 28.1 0.0 33.2

79 25.3 0.0 30.0





#17

2-Methylphenol

Concen: 39.138 ng

RT: 6.74 min Scan# 825

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

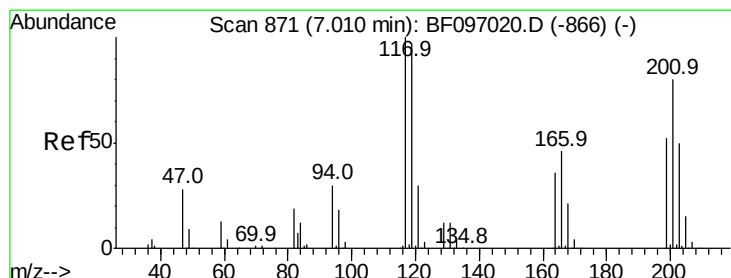
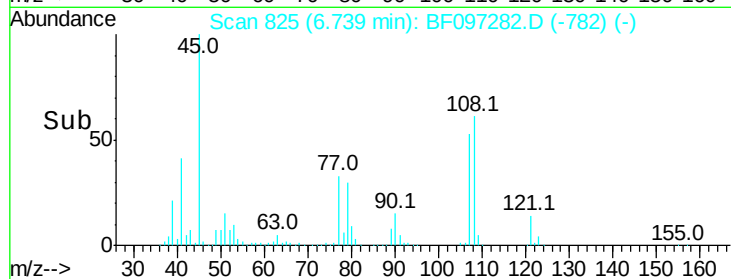
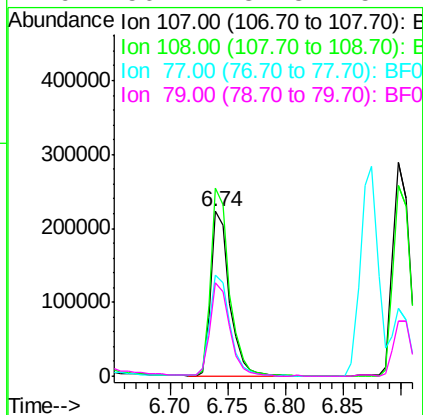
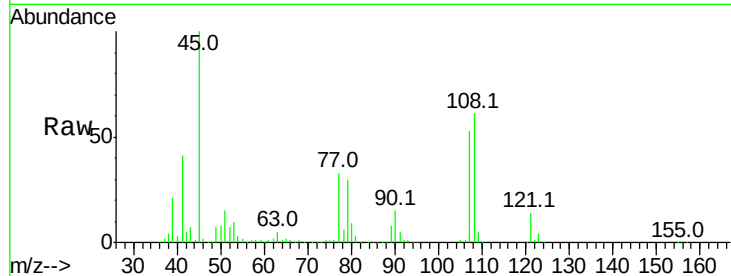
ClientSampled :

72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	251713		
108	114.3	93.4	140.0	
77	61.5	35.8	53.6#	
79	56.7	34.8	52.2#	

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#18

Hexachloroethane

Concen: 32.988 ng

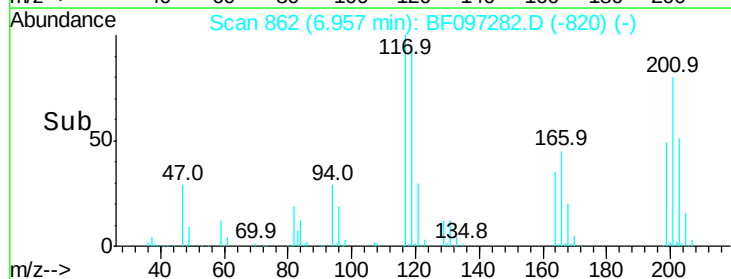
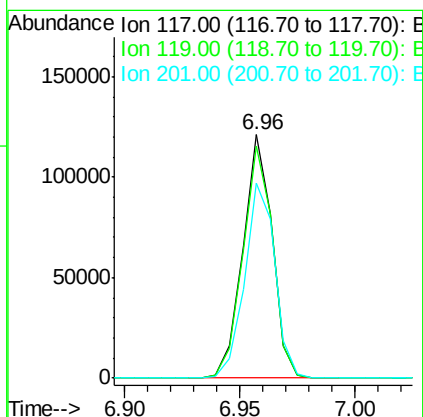
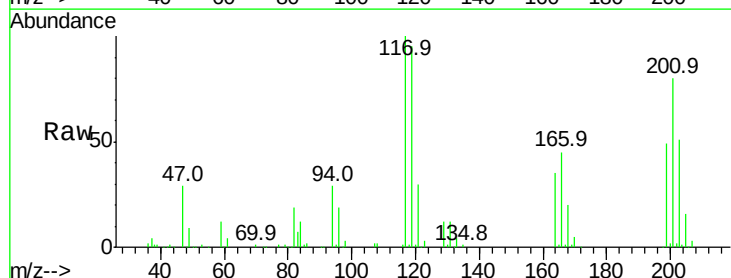
RT: 6.96 min Scan# 862

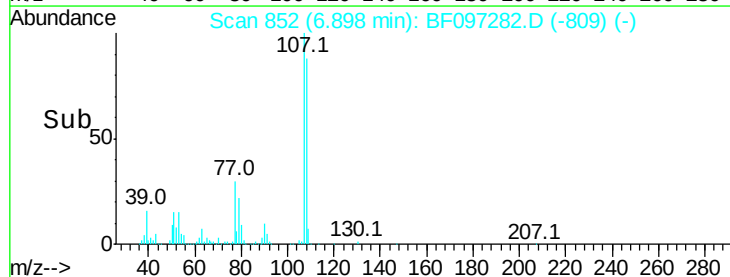
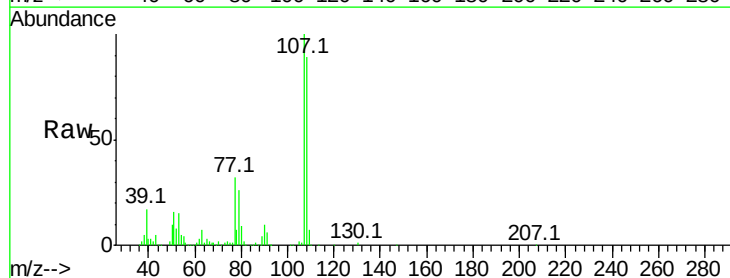
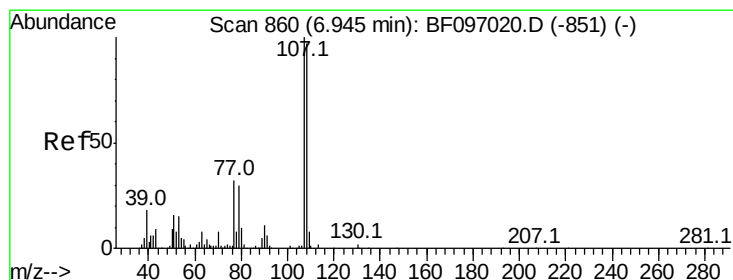
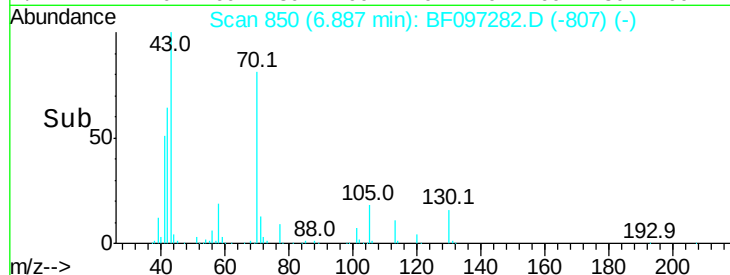
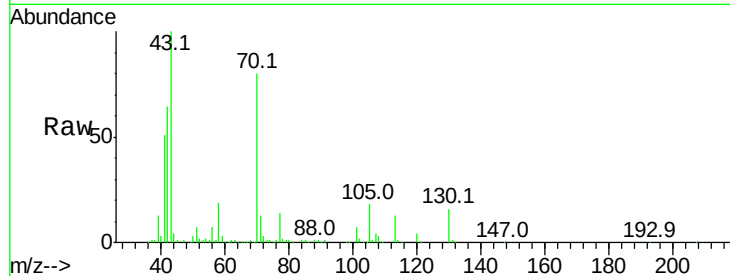
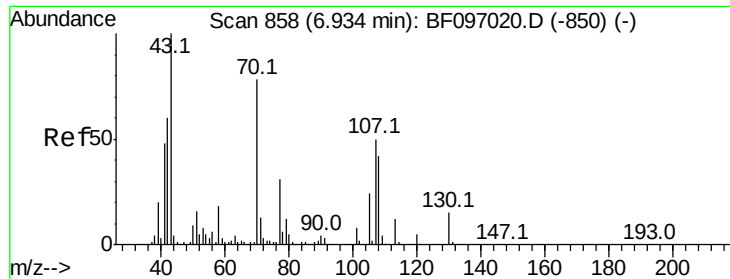
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	107407		
119	95.4	77.4	116.0	
201	80.0	94.6	141.8#	





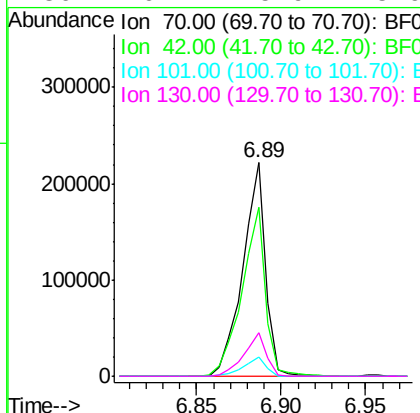
#19
n-Nitroso-di-n-propylamine
Concen: 35.736 ng
RT: 6.89 min Scan# 850
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	79.3	47.2	70.8#
101	8.9	7.2	10.8
130	20.2	15.9	23.9

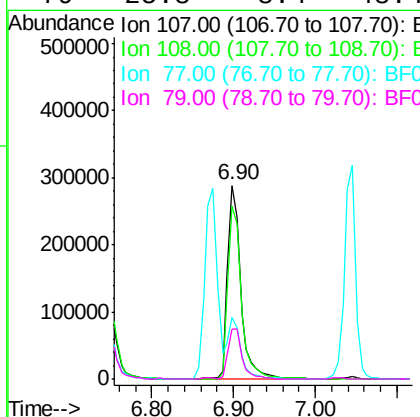
Manual Integrations
APPROVED

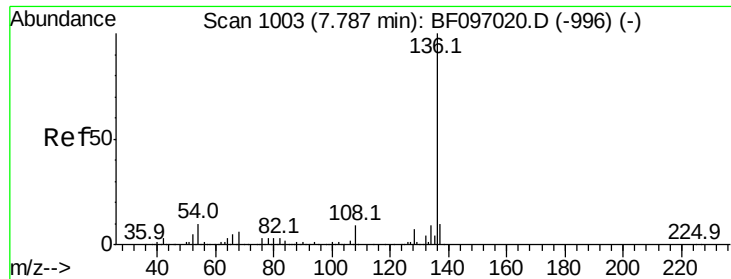
Sohil
8/3/2017 6:08:08 PM



#20
3+4-Methylphenols
Concen: 38.797 ng
RT: 6.90 min Scan# 852
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.0	111.0
77	31.6	90.5	130.5#
79	25.8	8.4	48.4





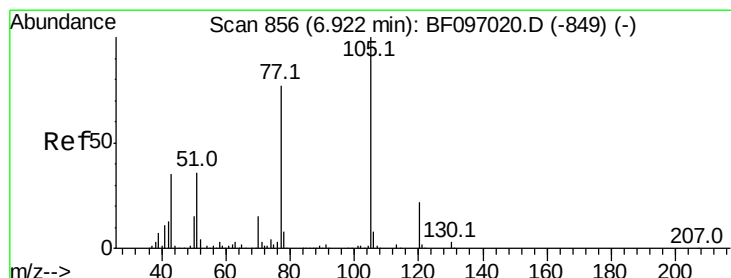
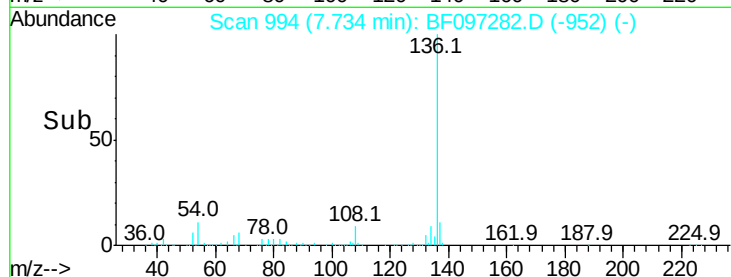
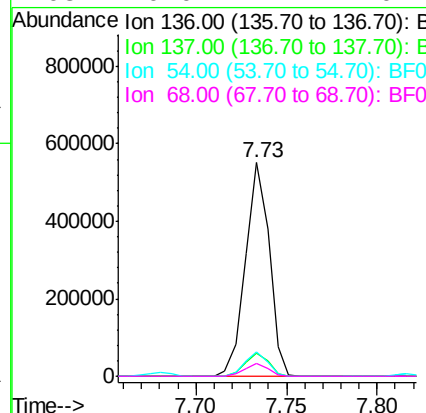
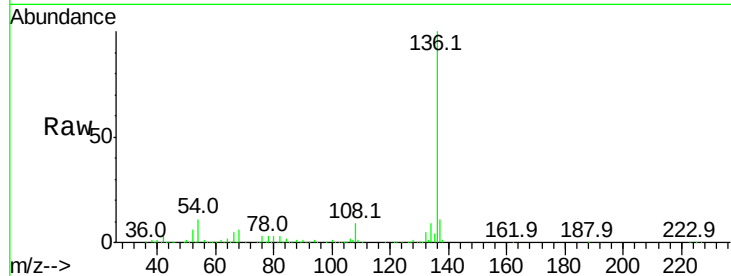
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	502734		
137	10.9	8.5	12.7	
54	11.2	4.9	7.3#	
68	6.0	4.1	6.1	

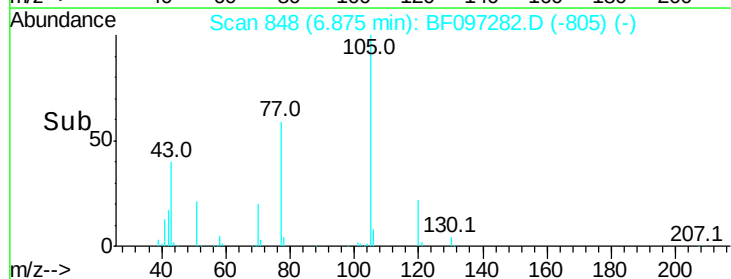
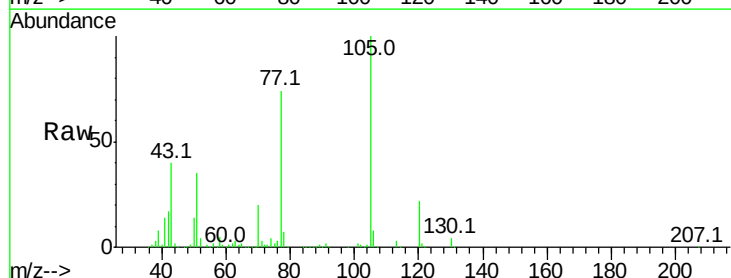
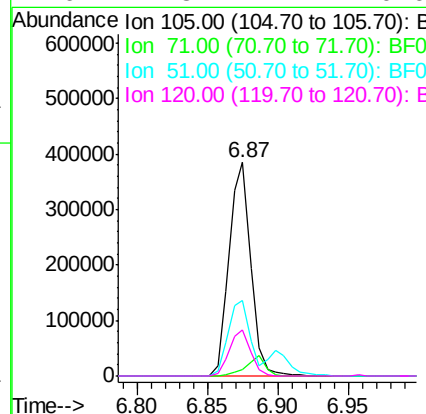
Manual Integrations
APPROVED

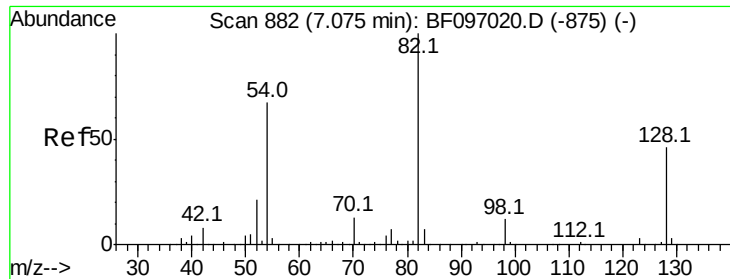
Sohil
8/3/2017 6:08:08 PM



#22
Acetophenone
Concen: 34.017 ng
RT: 6.87 min Scan# 848
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	410690		
71	3.2	2.8	4.2	
51	35.2	30.7	46.1	
120	21.8	17.4	26.0	





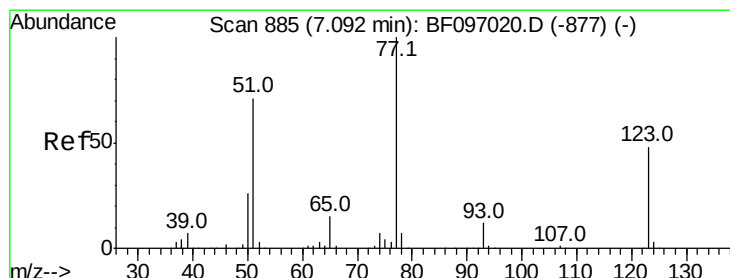
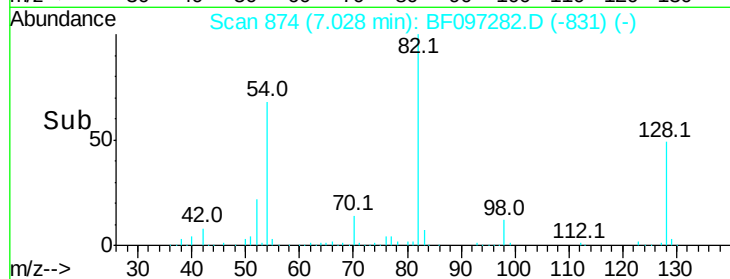
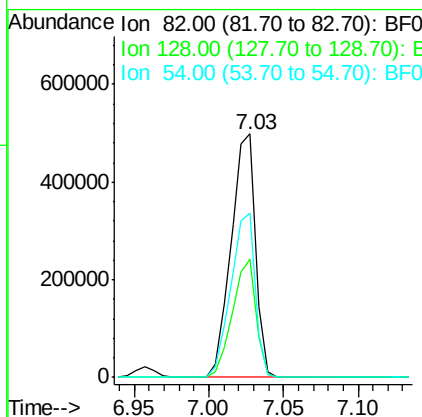
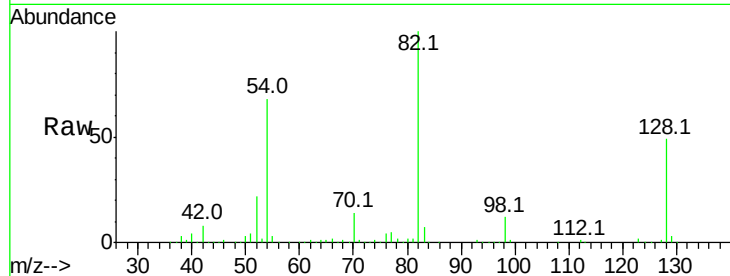
#23
Nitrobenzene-d5
Concen: 67.158 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	34.0	51.0
54	67.5	42.2	63.2

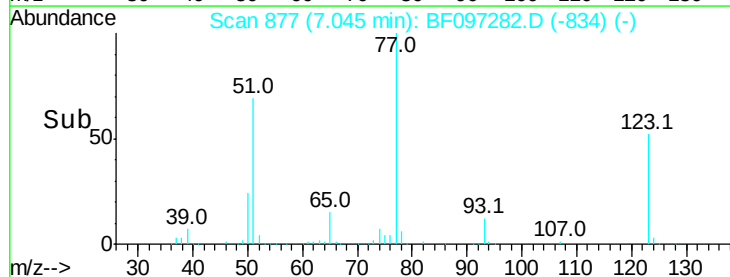
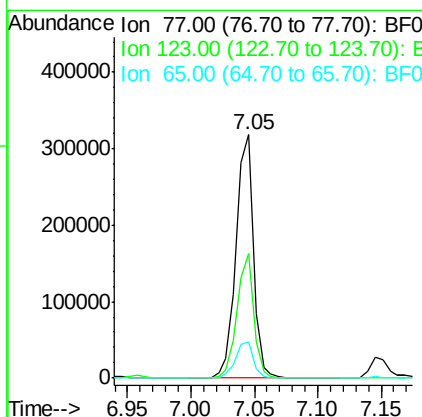
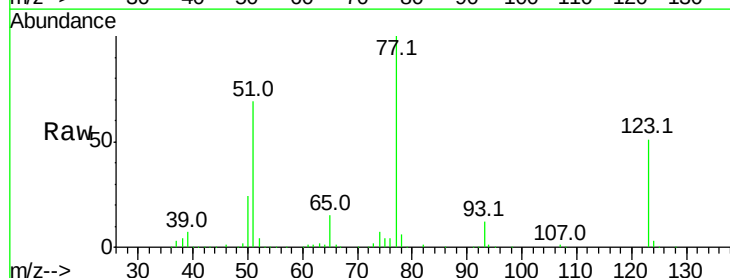
Manual Integrations
APPROVED

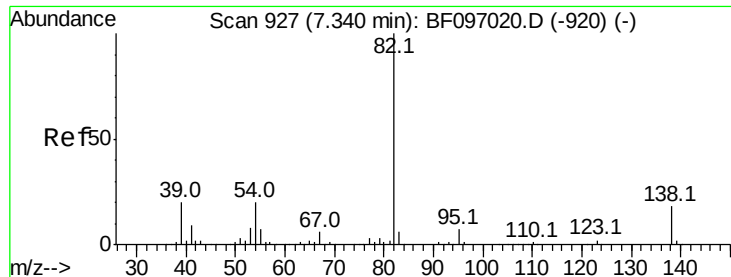
Sohil
8/3/2017 6:08:08 PM



#24
Nitrobenzene
Concen: 33.902 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.4	35.8	53.8
65	15.1	10.6	15.8





#25

Isophorone

Concen: 36.677 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

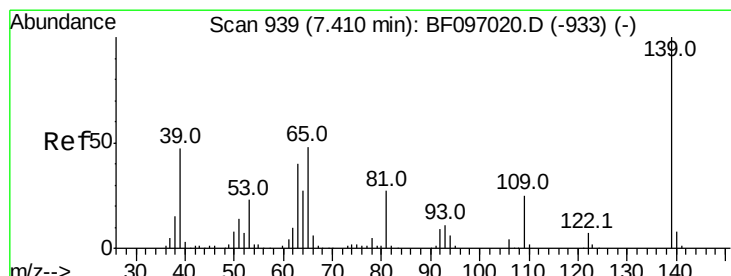
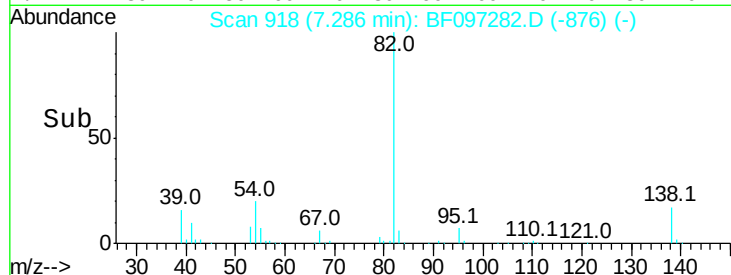
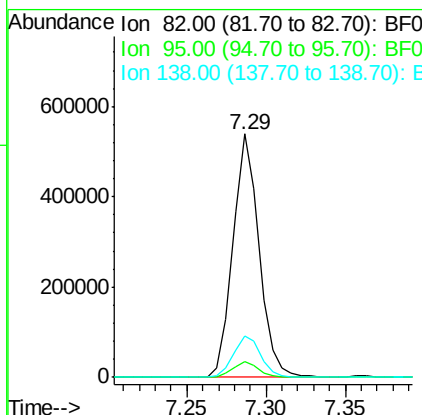
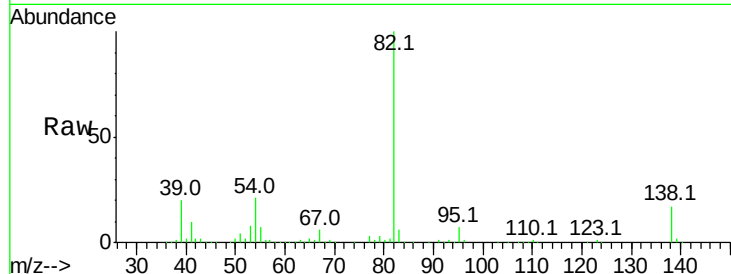
ClientSampleId :

72-11938MSD

Tot Ion:	82	Resp:	615542
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.3	7.9
138	17.0	13.1	19.7

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#26

2-Nitrophenol

Concen: 34.015 ng

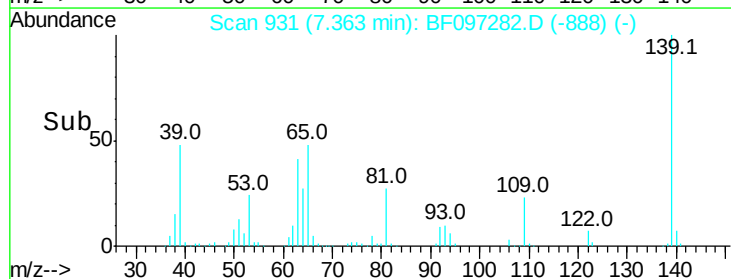
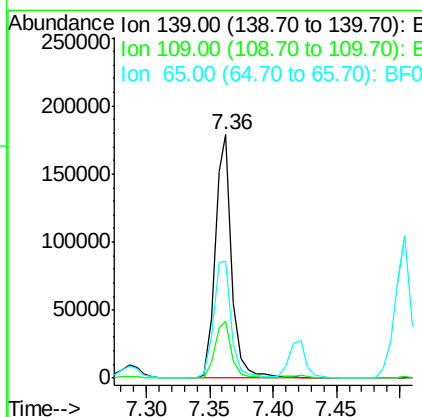
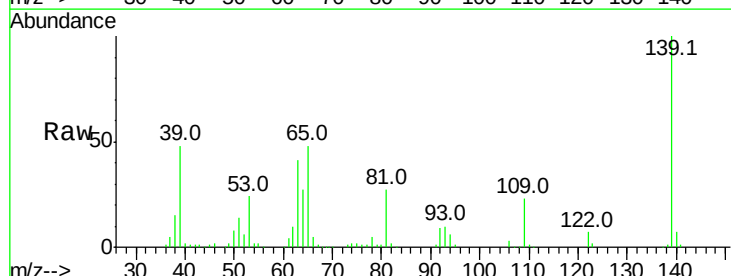
RT: 7.36 min Scan# 931

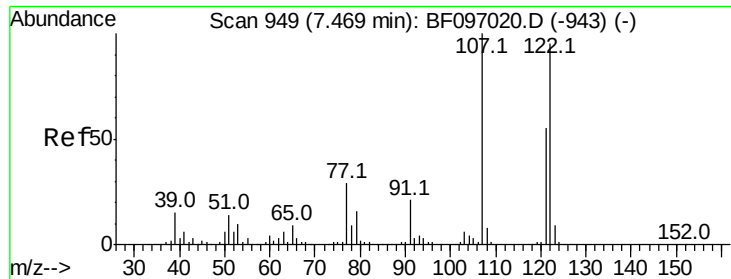
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	139	Resp:	164247
Ion Ratio	Lower	Upper	
139	100		
109	23.2	21.0	31.6
65	48.1	33.0	49.6





#27

2,4-Dimethylphenol

Concen: 33.175 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

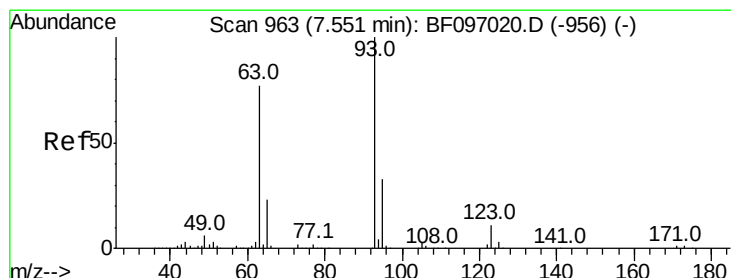
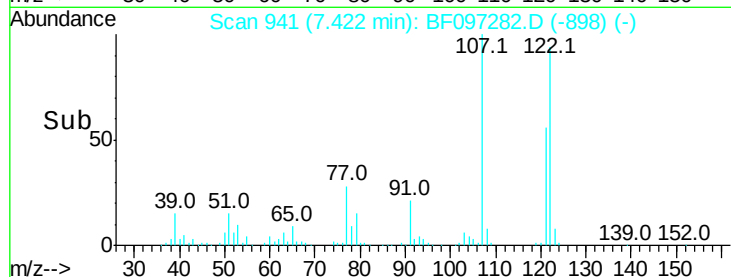
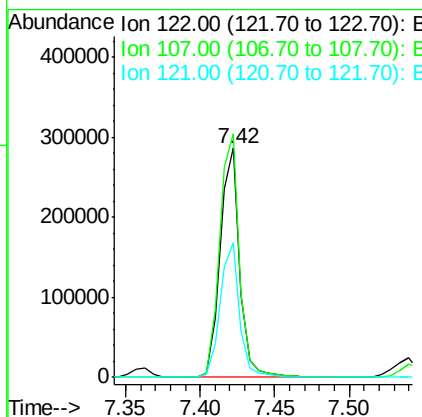
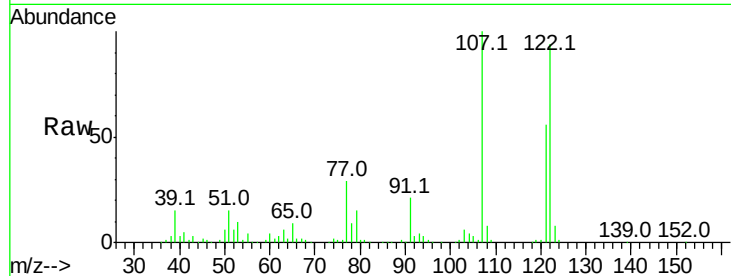
ClientSampleId :

72-11938MSD

Tot Ion:	122	Resp:	264255
Ion Ratio	Lower	Upper	
122	100		
107	106.3	89.2	133.8
121	59.1	45.2	67.8

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#28

bis(2-Chloroethoxy)methane

Concen: 35.300 ng

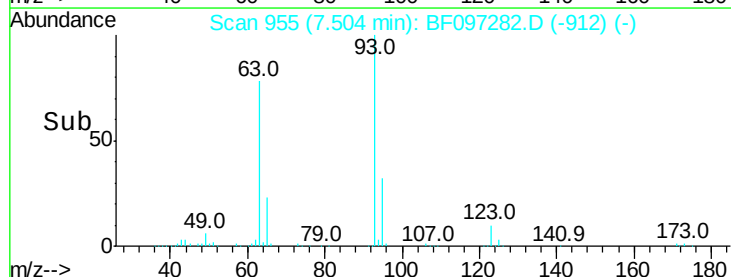
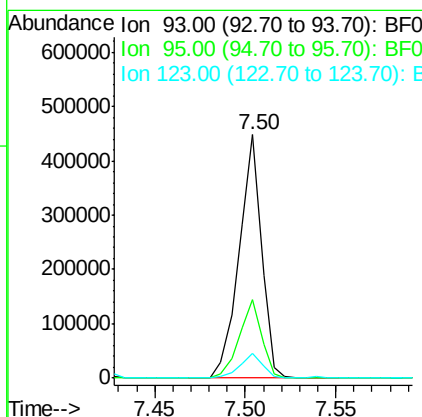
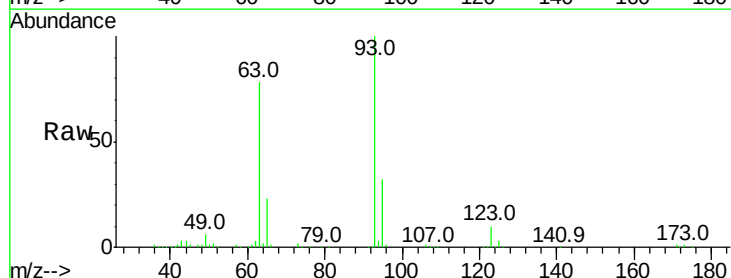
RT: 7.50 min Scan# 955

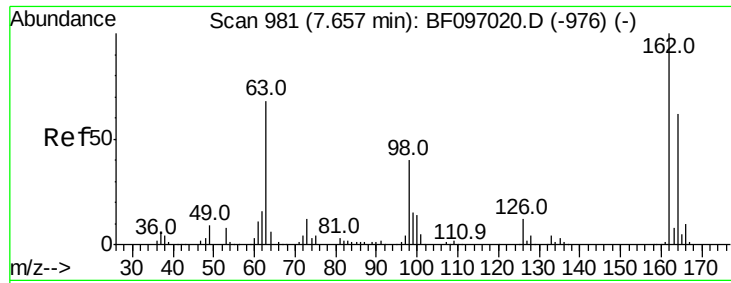
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	93	Resp:	386608
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.5	39.7
123	10.3	9.0	13.4





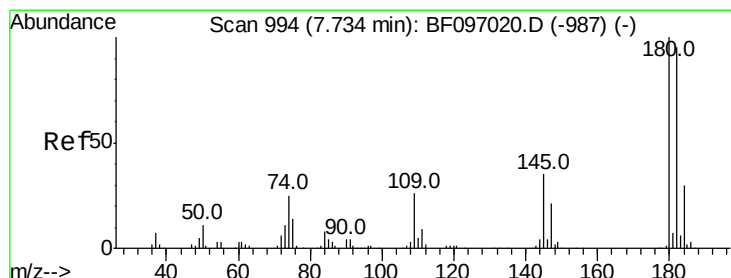
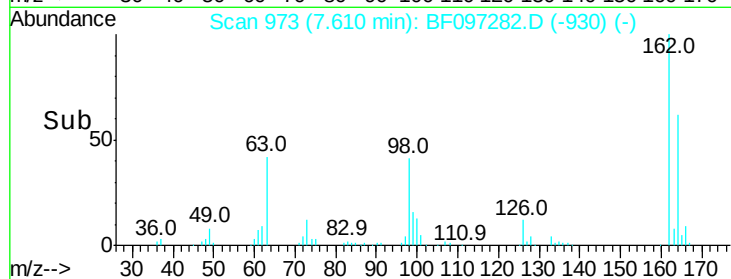
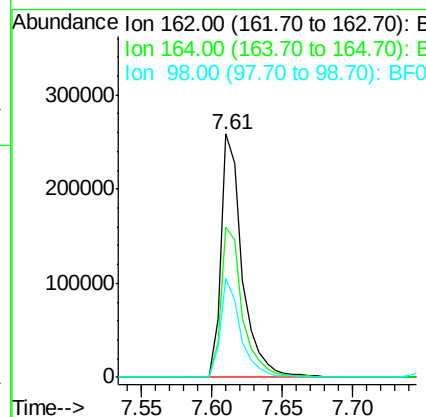
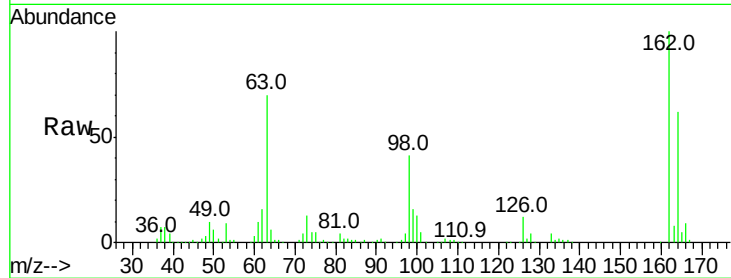
#29
 2,4-Dichlorophenol
 Concen: 39.288 ng
 RT: 7.61 min Scan# 973
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	269594		
164	61.6	44.6	84.6	
98	40.7	14.8	54.8	

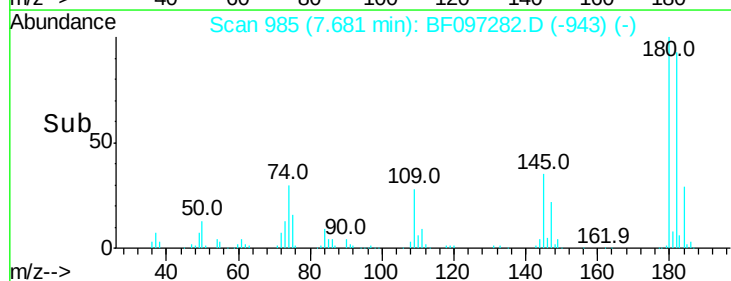
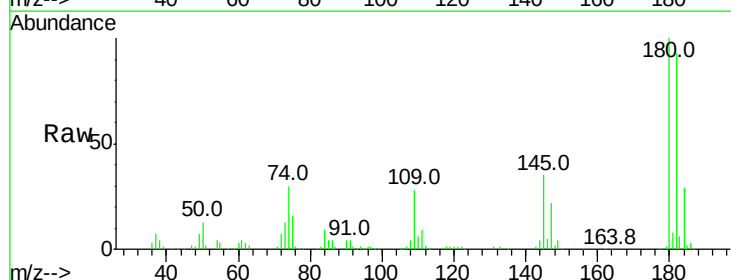
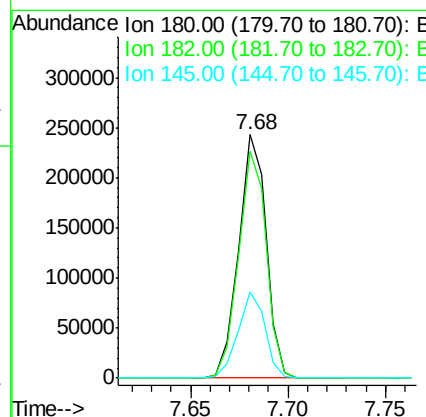
Manual Integrations
 APPROVED

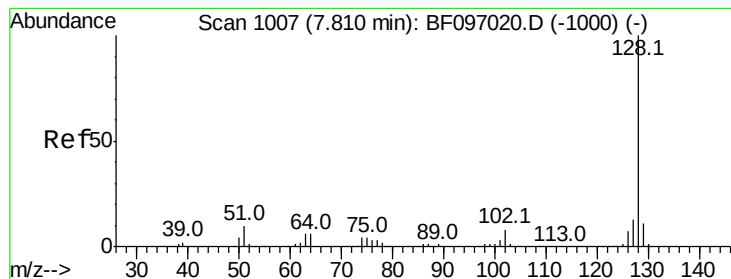
Sohil
 8/3/2017 6:08:08 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 36.309 ng
 RT: 7.68 min Scan# 985
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	237484		
182	93.2	75.8	113.6	
145	35.3	25.3	37.9	





#31

Naphthalene

Concen: 37.622 ng

RT: 7.76 min Scan# 998

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

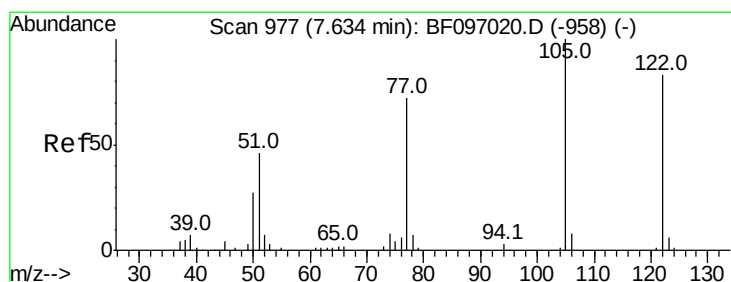
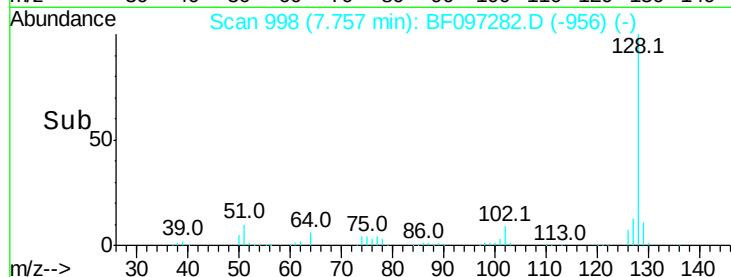
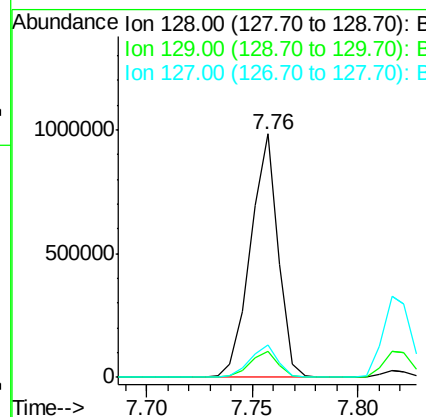
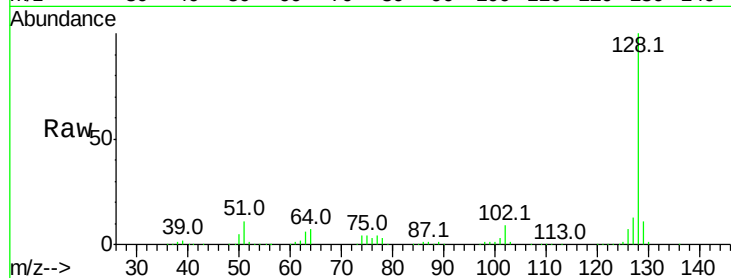
ClientSampleId :

72-11938MSD

Tot Ion:	128	Resp:	891576
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	13.5	10.8	16.2

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#32

Benzoic acid

Concen: 6.413 ng

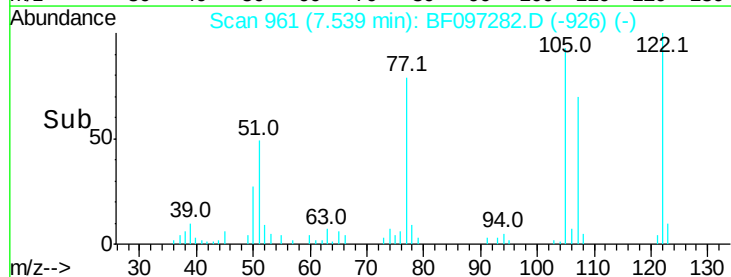
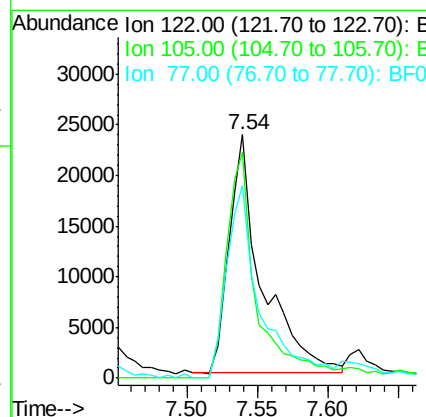
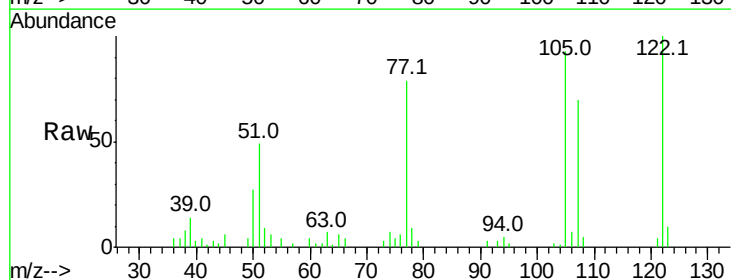
RT: 7.54 min Scan# 961

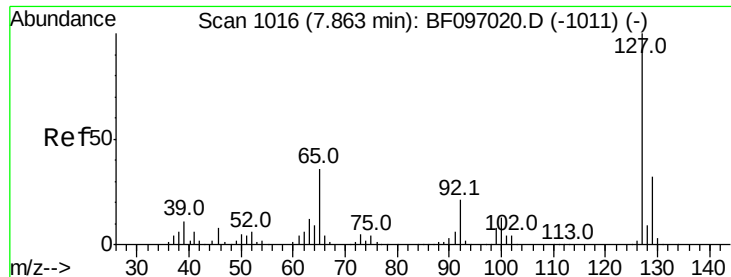
Delta R.T. -0.09 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	122	Resp:	38142
Ion Ratio	Lower	Upper	
122	100		
105	92.9	103.3	143.3#
77	79.3	73.7	113.7





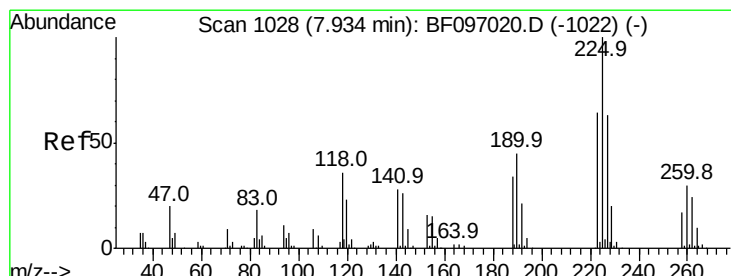
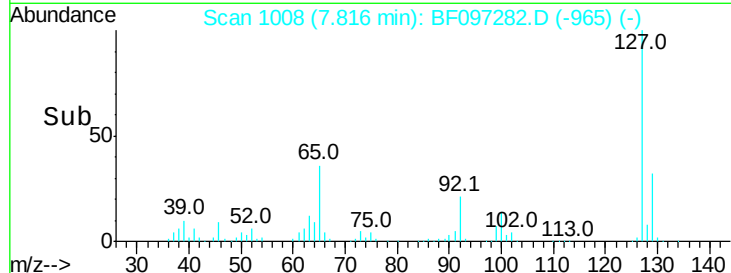
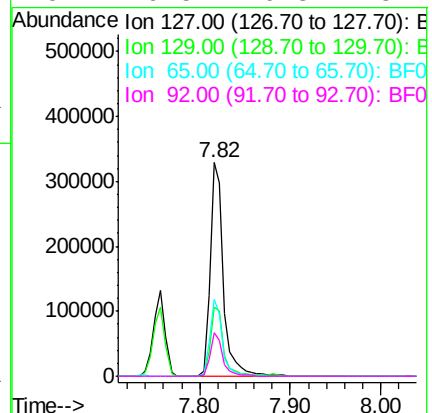
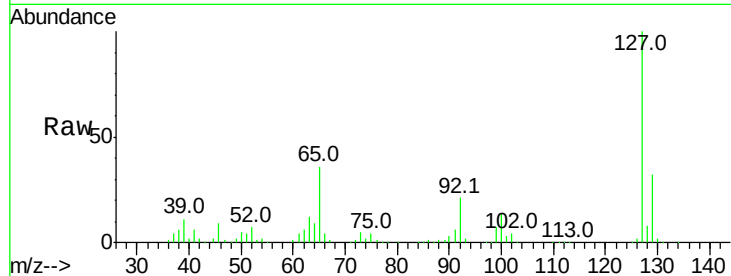
#33
4-Chloroaniline
Concen: 35.191 ng
RT: 7.82 min Scan# 1008
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.2	39.2	
65	36.0	27.8	41.8	
92	20.5	16.8	25.2	

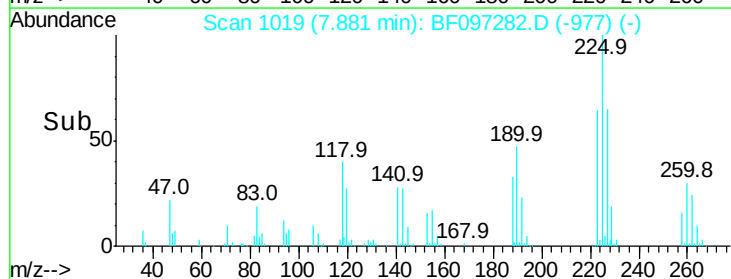
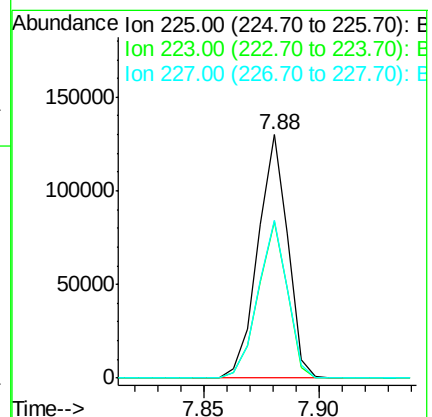
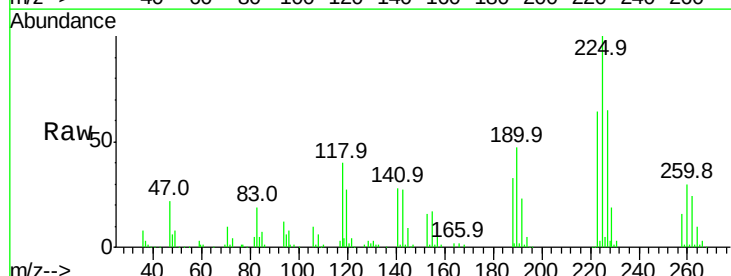
Manual Integrations
APPROVED

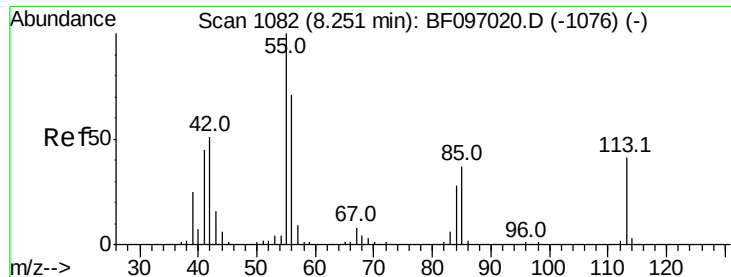
Sohil
8/3/2017 6:08:08 PM



#34
Hexachlorobutadiene
Concen: 33.797 ng
RT: 7.88 min Scan# 1019
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	48.8	73.2	
227	65.1	51.1	76.7	





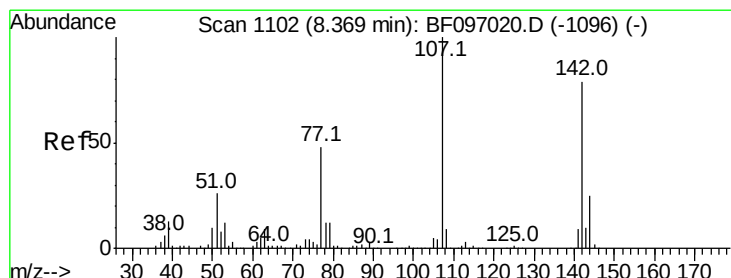
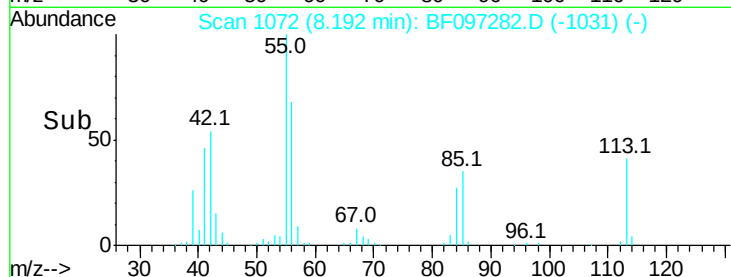
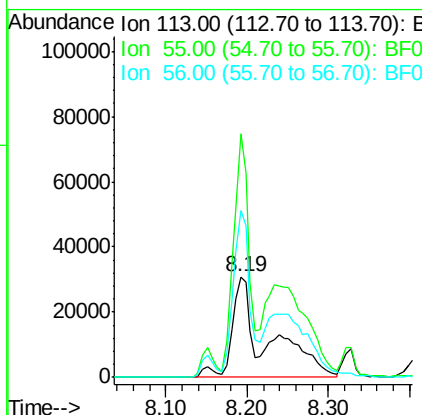
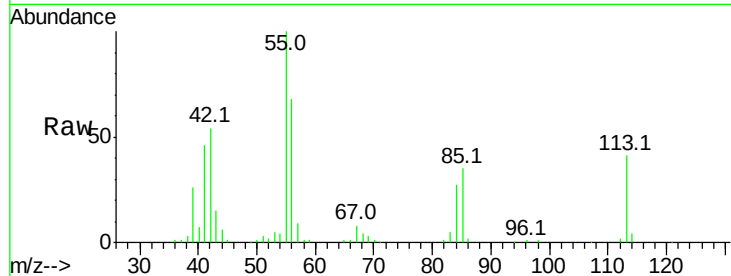
#35
 Caprolactam
 Concen: 42.054 ng/ml
 RT: 8.19 min Scan# 1072
 Delta R.T. -0.06 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleID :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	241.5	150.2	190.2#
56	165.4	107.8	147.8#

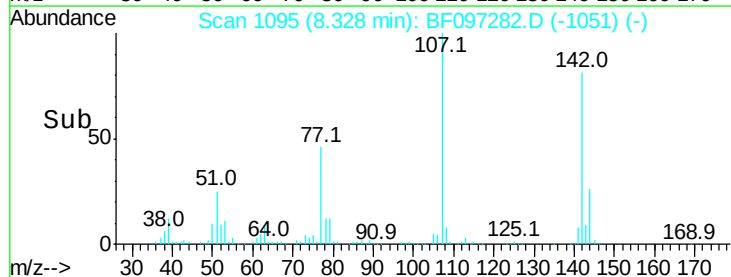
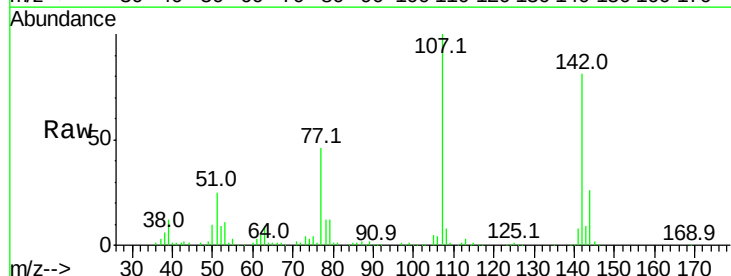
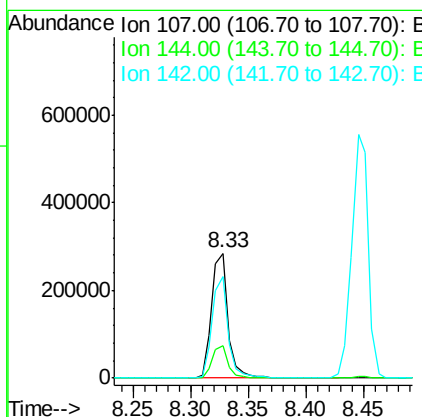
Manual Integrations
 APPROVED

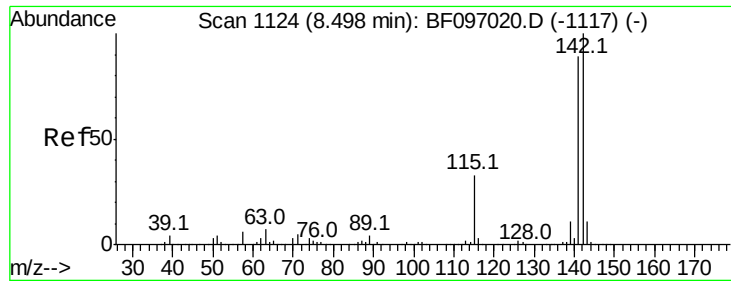
Sohil
 8/3/2017 6:08:08 PM



#36
 4-Chloro-3-methylphenol
 Concen: 37.697 ng
 RT: 8.33 min Scan# 1095
 Delta R.T. -0.04 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	24.2	36.4
142	81.3	73.4	110.0





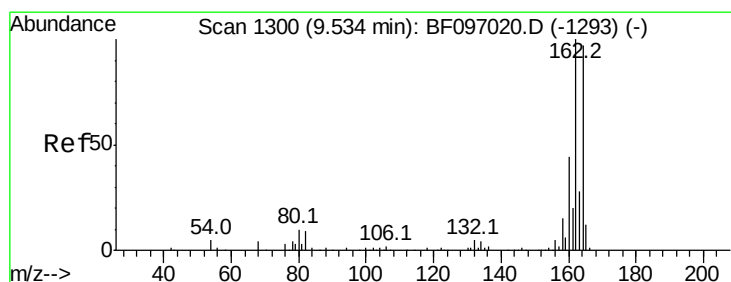
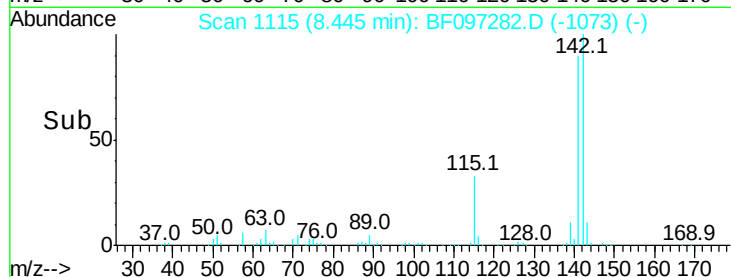
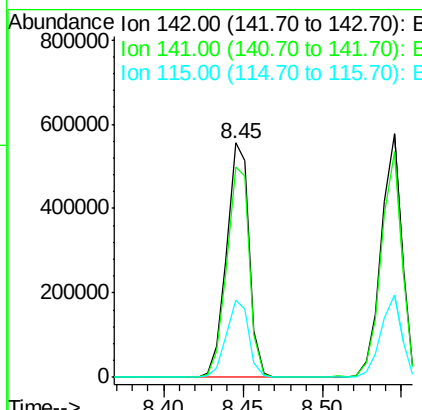
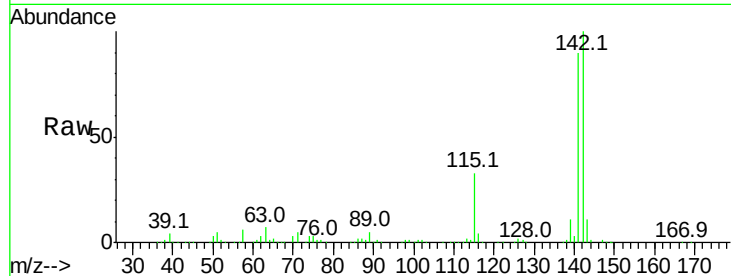
#37
2-Methylnaphthalene
Concen: 36.577 ng
RT: 8.45 min Scan# 1115
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	548817		
141	89.7		71.3	106.9
115	33.0		27.1	40.7

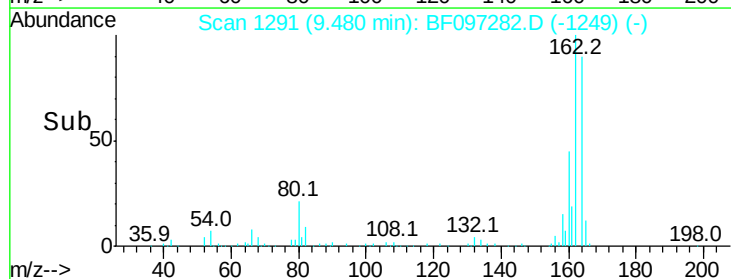
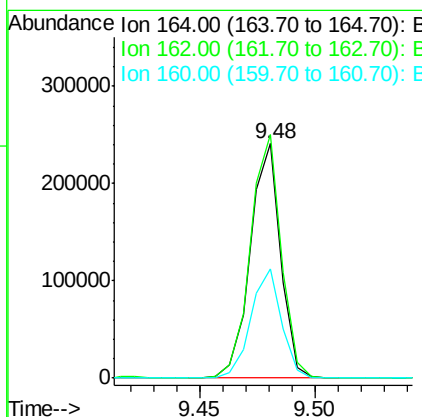
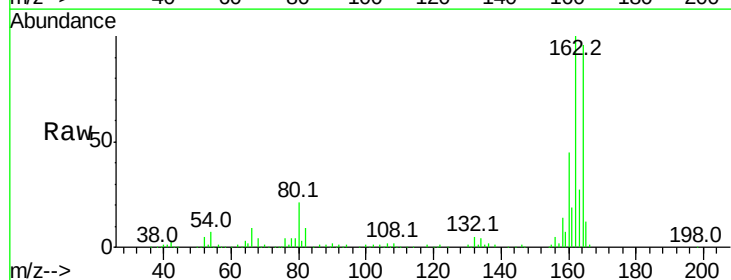
Manual Integrations
APPROVED

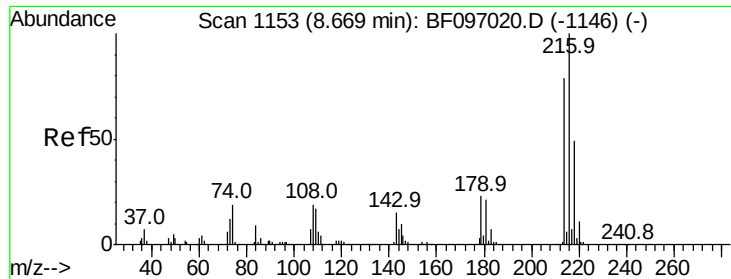
Sohil
8/3/2017 6:08:08 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.48 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221107		
162	104.0		82.6	123.8
160	46.7		36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.020 ng

RT: 8.62 min Scan# 1144

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

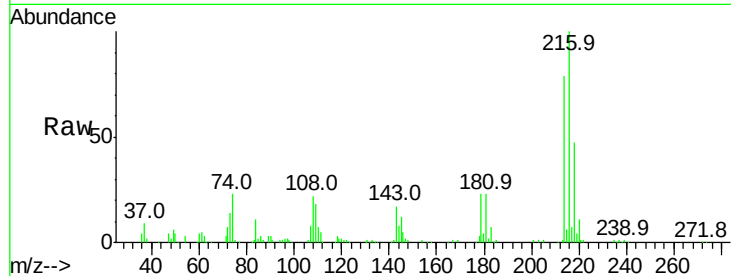
ClientSampleId :

72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	206608		
214	79.3	63.4	95.2	
179	22.5	17.9	26.9	
108	23.0	16.5	24.7	

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM

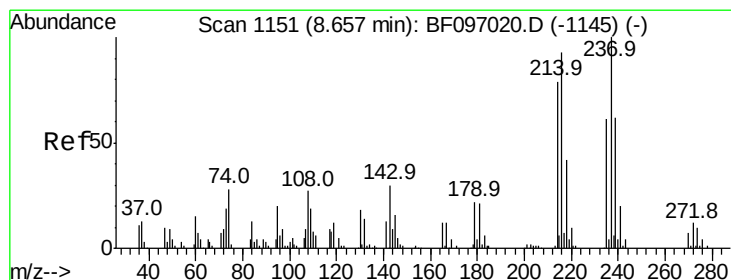
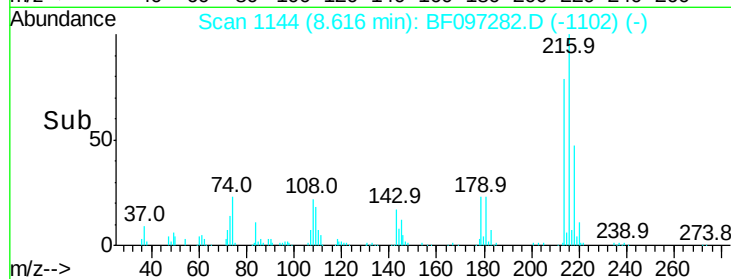
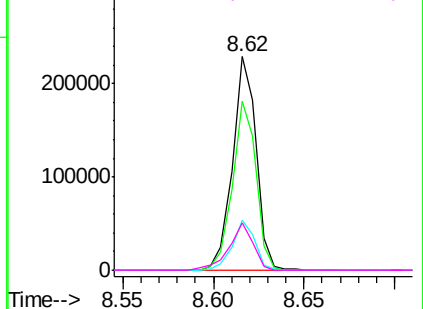


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 56.897 ng

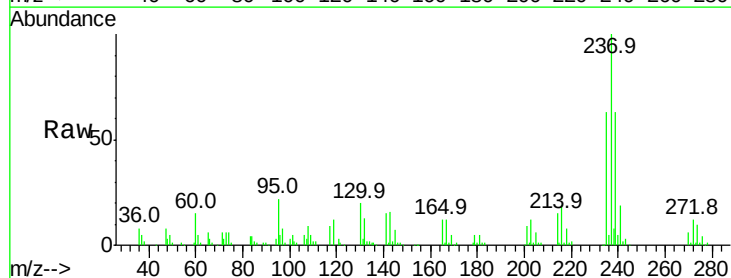
RT: 8.60 min Scan# 1142

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

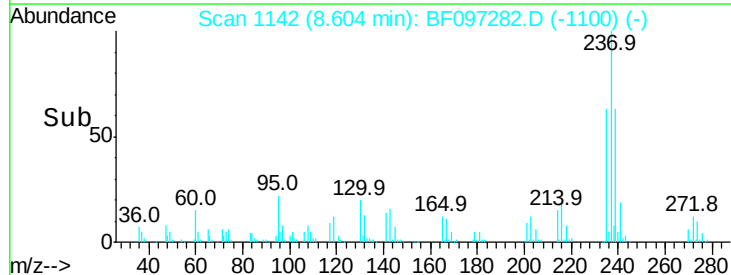
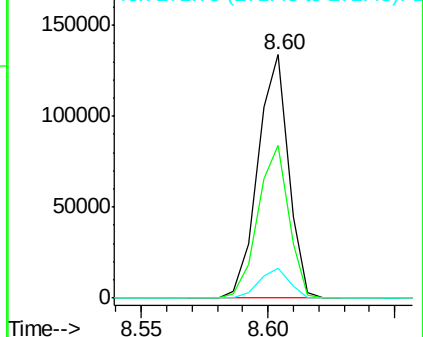
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	113102		
235	62.9	42.6	82.6	
272	12.3	0.0	31.9	

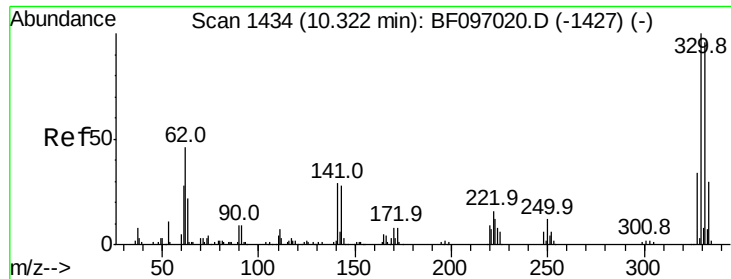


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





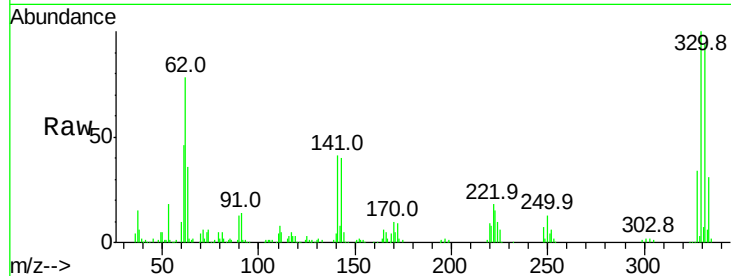
#41
 2,4,6-Tribromophenol
 Concen: 112.328 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampled :
 72-11938MSD

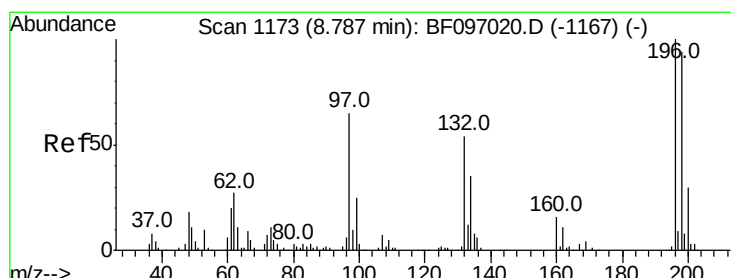
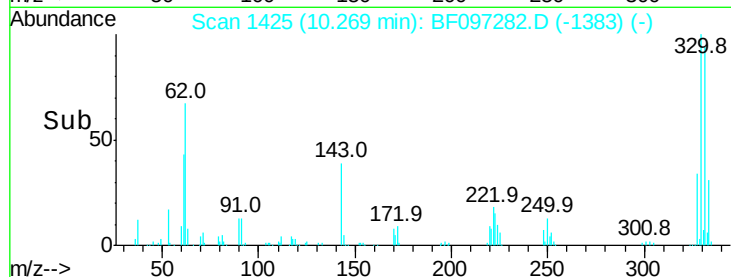
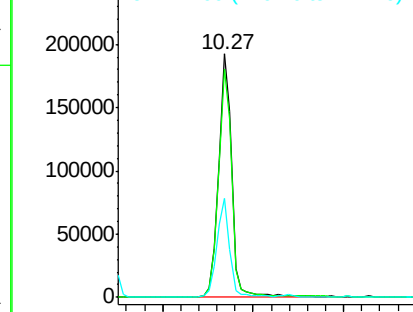
Tot Ion	Ratio	Resp	Lower	Upper
330	100	196233		
332	96.1	76.6	115.0	
141	39.9	31.4	47.2	

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:08 PM



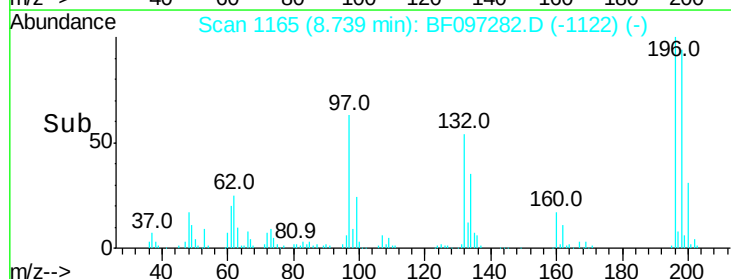
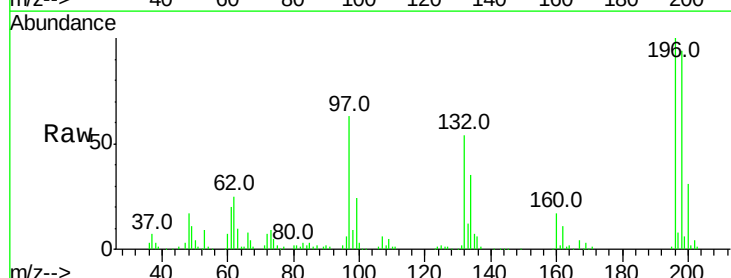
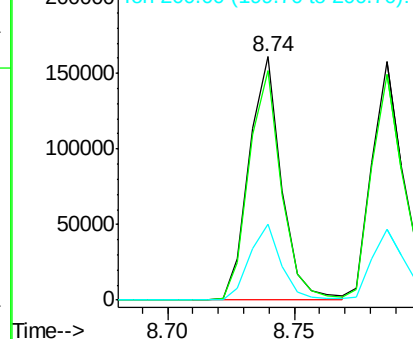
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

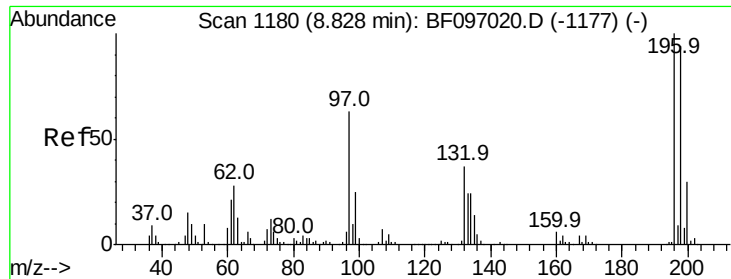


#42
 2,4,6-Trichlorophenol
 Concen: 33.383 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	142722		
198	94.4	74.2	111.4	
200	31.4	24.0	36.0	

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





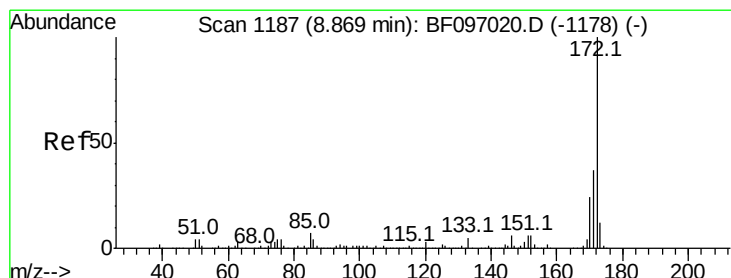
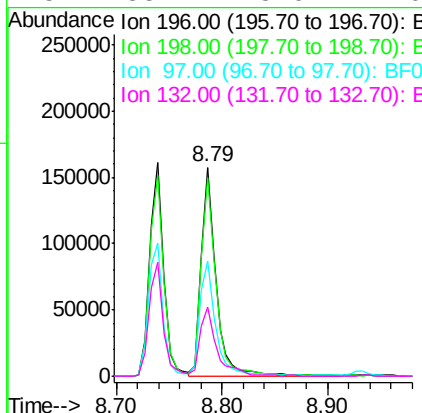
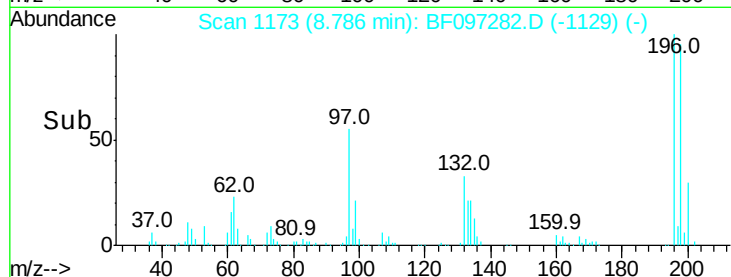
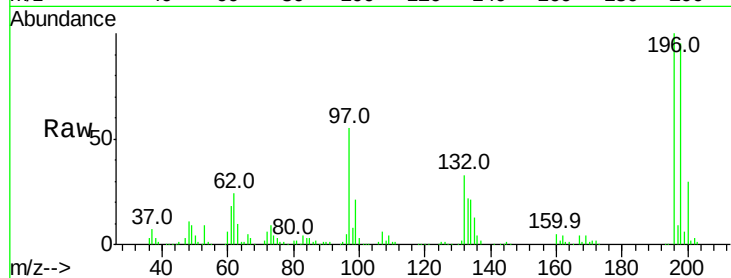
#43
 2,4,5-Trichlorophenol
 Concen: 35.550 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	152127		
198	94.9	75.7	113.5	
97	55.3	47.7	71.5	
132	33.1	28.0	42.0	

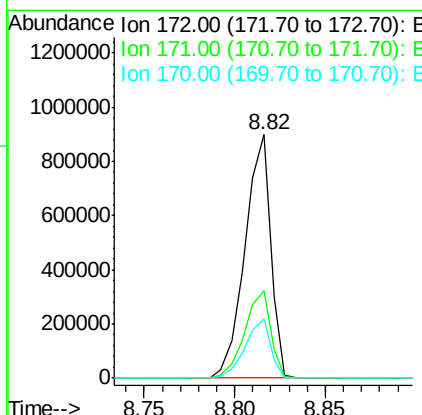
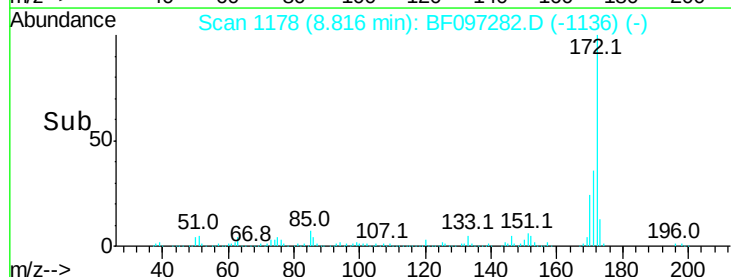
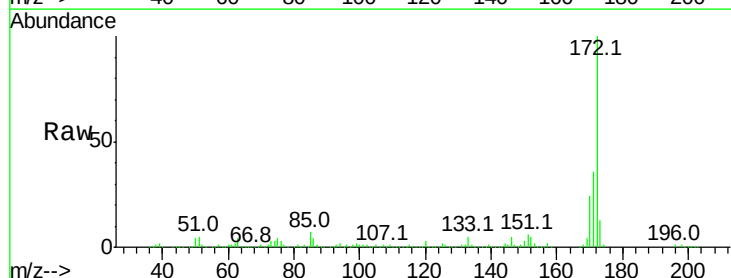
Manual Integrations
 APPROVED

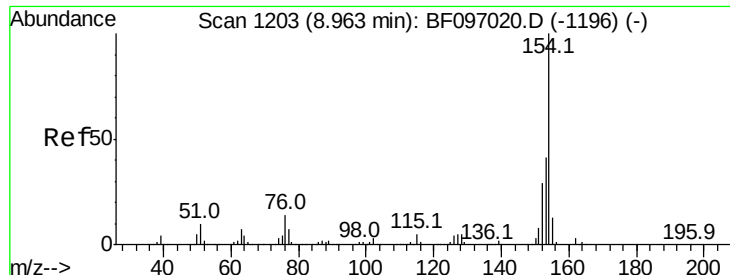
Sohil
 8/3/2017 6:08:08 PM



#44
 2-Fluorobiphenyl
 Concen: 68.128 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	887614		
171	36.0	29.6	44.4	
170	24.3	19.8	29.8	





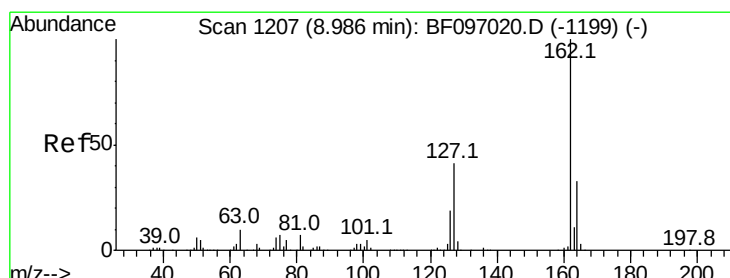
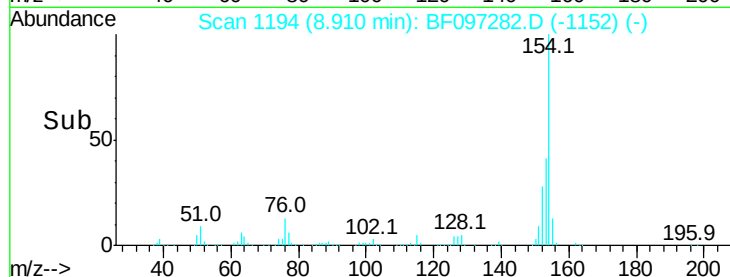
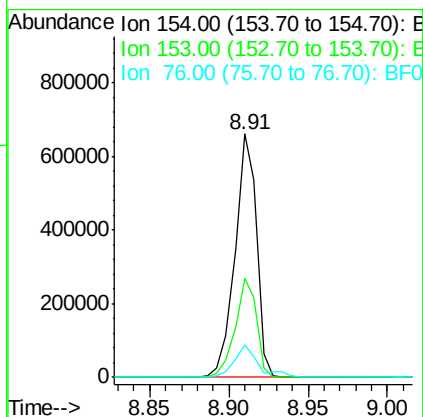
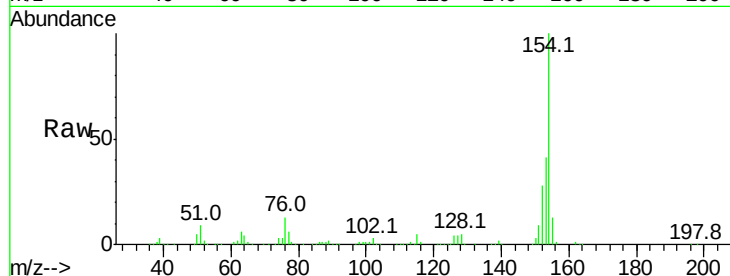
#45
 1,1'-Biphenyl
 Concen: 32.804 ng
 RT: 8.91 min Scan# 1194
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion:	154	Resp:	619526
Ion Ratio	Lower	Upper	
154	100		
153	40.9	21.2	61.2
76	13.3	0.0	29.9

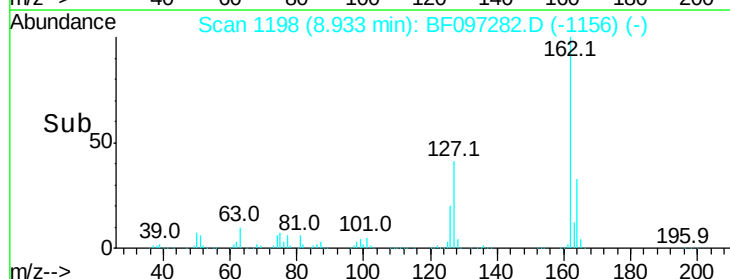
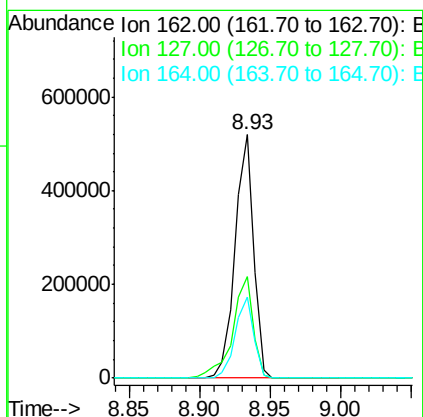
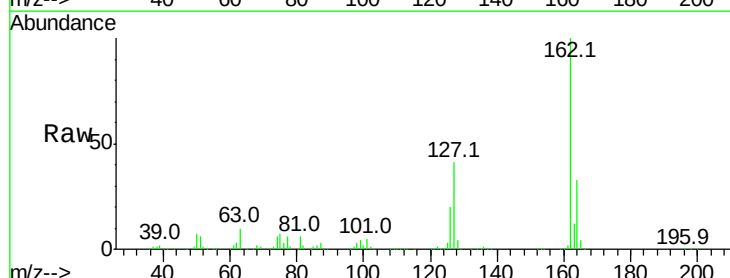
Manual Integrations
 APPROVED

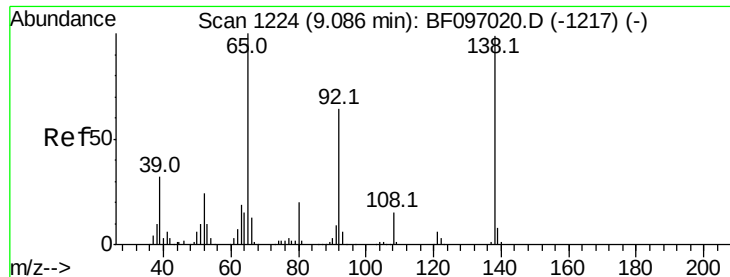
Sohil
 8/3/2017 6:08:08 PM



#46
 2-Chloronaphthalene
 Concen: 34.051 ng
 RT: 8.93 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion:	162	Resp:	473230
Ion Ratio	Lower	Upper	
162	100		
127	41.5	28.3	42.5
164	33.0	27.0	40.4





#47

2-Nitroaniline

Concen: 42.324 ng

RT: 9.04 min Scan# 1216

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

ClientSampleId :

72-11938MSD

Tot Ion: 65 Resp: 213468

Ion Ratio Lower Upper

65 100

92 63.1 53.9 80.9

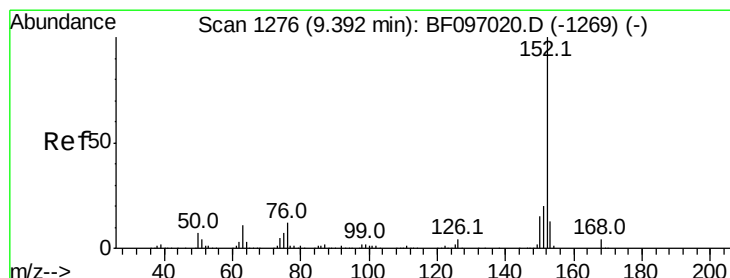
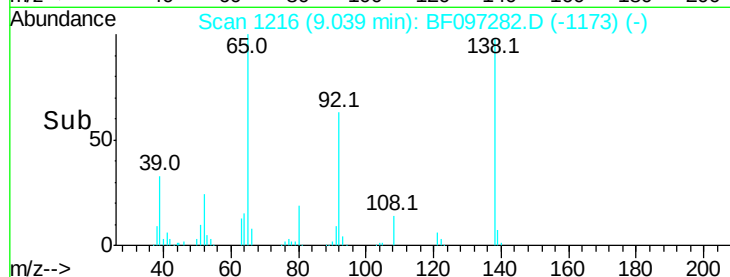
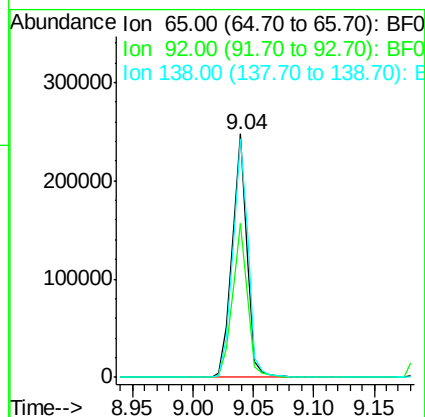
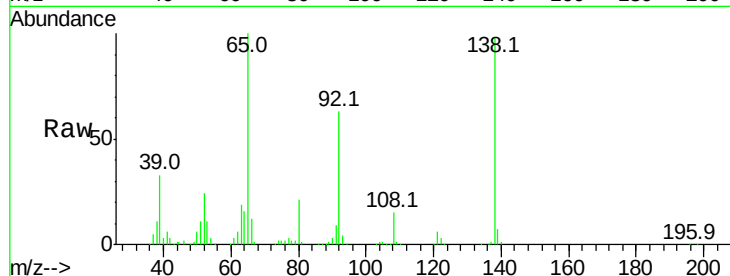
138 97.8 78.8 118.2

Manual Integrations

APPROVED

Sohil

8/3/2017 6:08:08 PM



#48

Acenaphthylene

Concen: 33.662 ng

RT: 9.34 min Scan# 1267

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

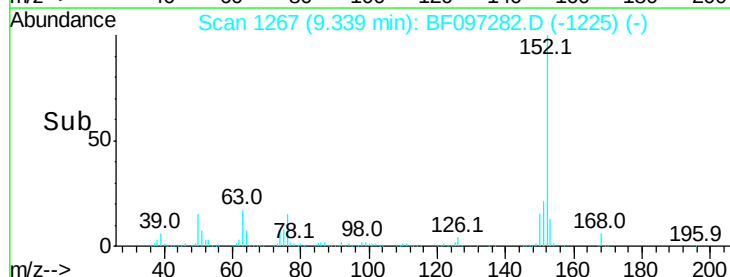
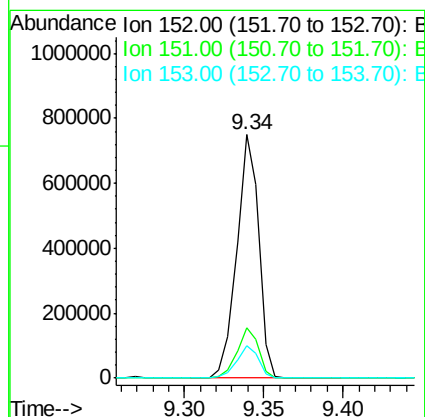
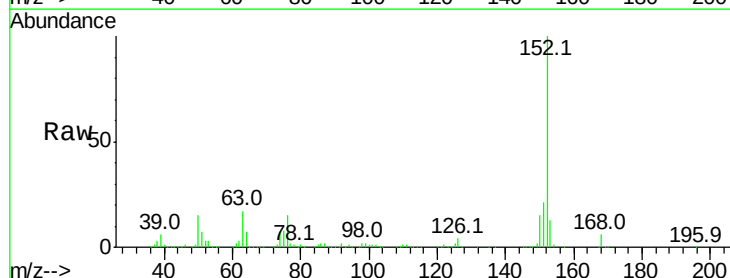
Tgt Ion: 152 Resp: 718070

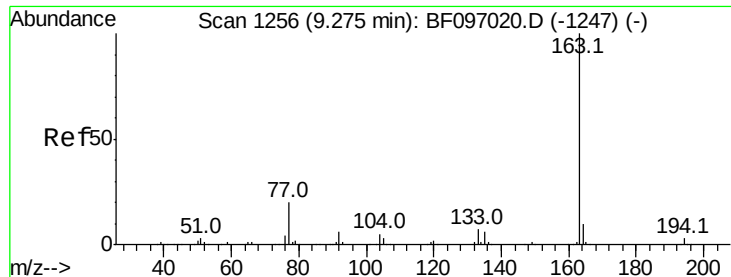
Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

153 13.4 10.8 16.2





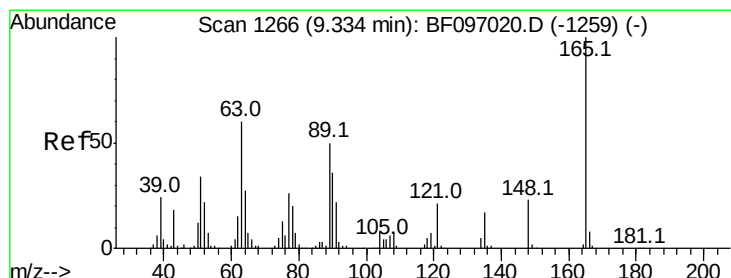
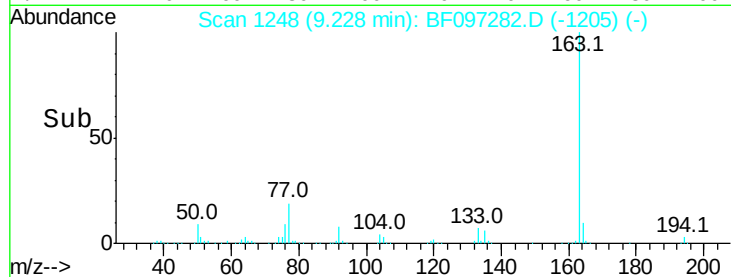
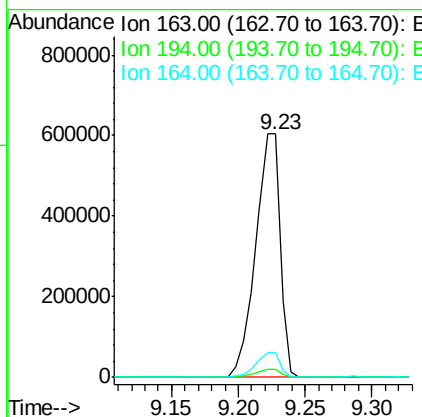
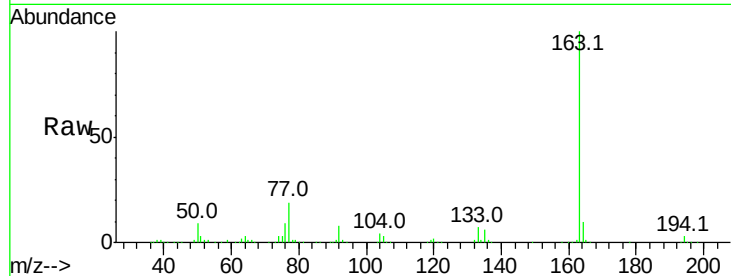
#49
Dimethylphthalate
Concen: 45.313 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.1	8.4	12.6	

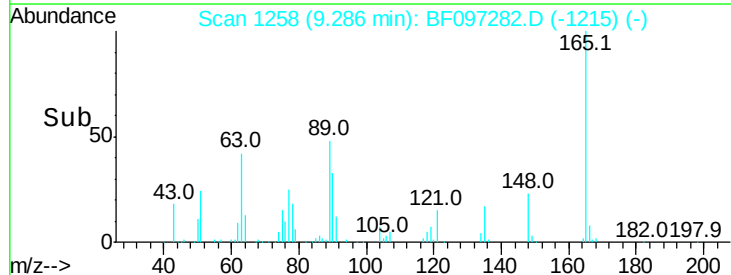
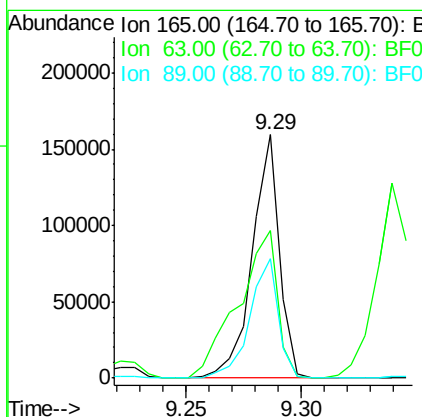
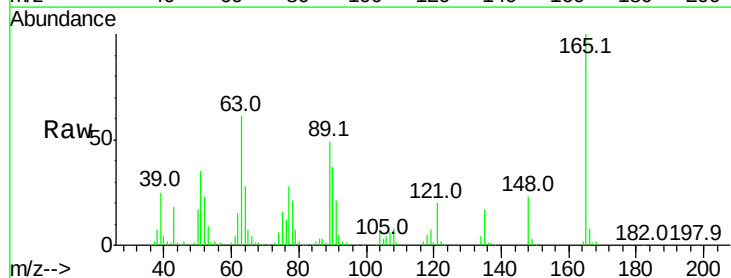
Manual Integrations
APPROVED

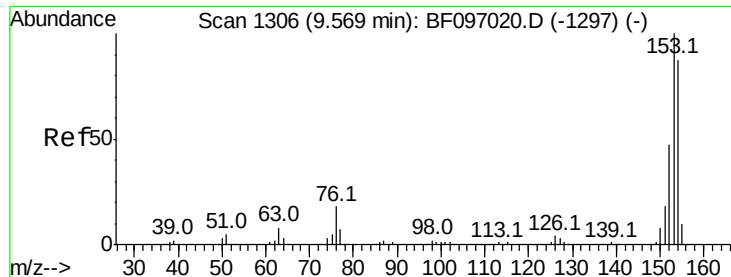
Sohil
8/3/2017 6:08:08 PM



#50
2,6-Dinitrotoluene
Concen: 36.820 ng
RT: 9.29 min Scan# 1258
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	60.5	34.3	51.5#	
89	48.9	37.1	55.7	





#51

Acenaphthene

Concen: 36.811 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

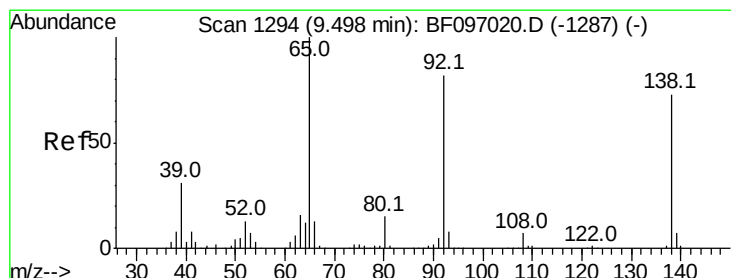
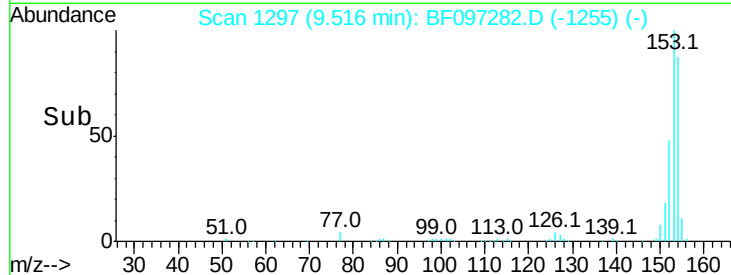
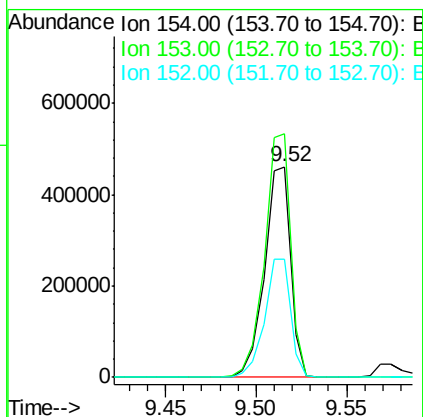
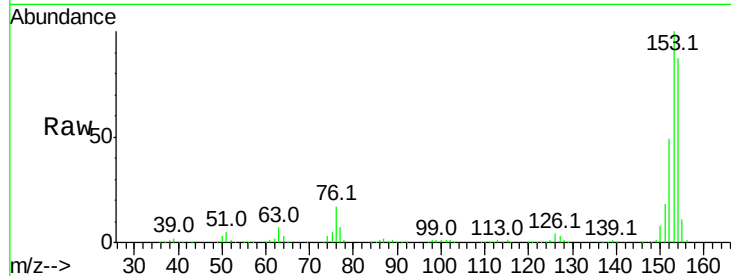
ClientSampleId :

72-11938MSD

Tot Ion:	154	Resp:	462544
Ion Ratio	Lower	Upper	
154	100		
153	115.5	90.5	135.7
152	56.0	43.6	65.4

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#52

3-Nitroaniline

Concen: 36.705 ng

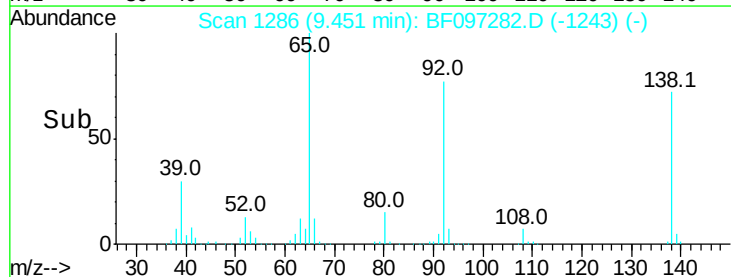
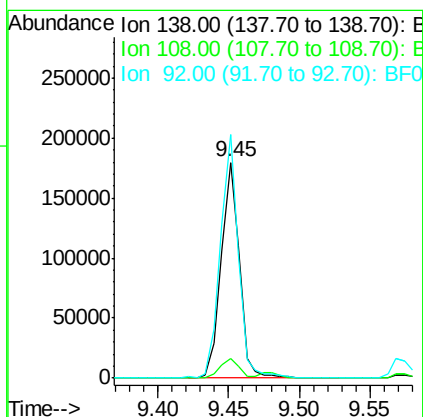
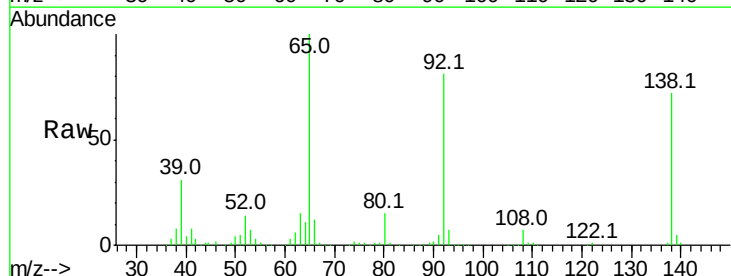
RT: 9.45 min Scan# 1286

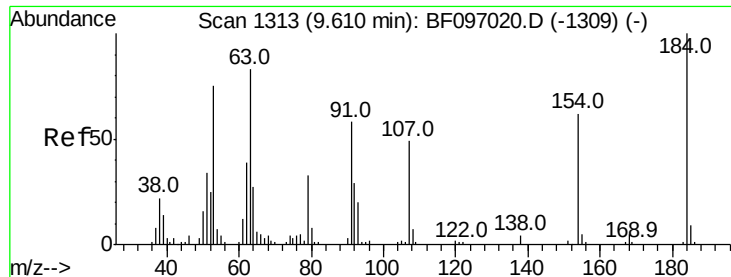
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	138	Resp:	162243
Ion Ratio	Lower	Upper	
138	100		
108	9.3	9.1	13.7
92	112.9	93.8	140.6





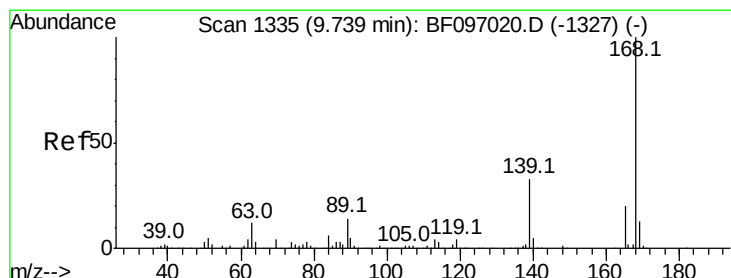
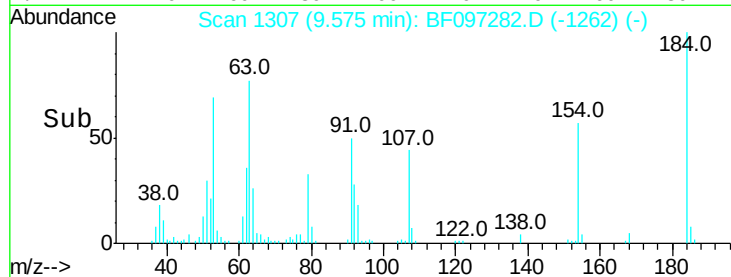
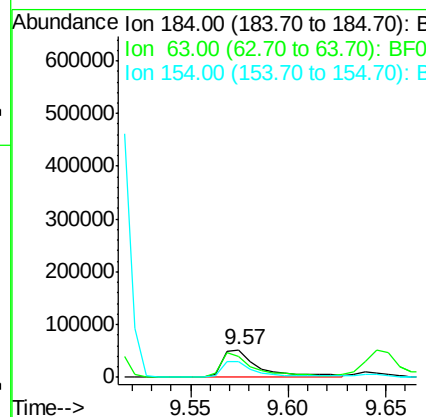
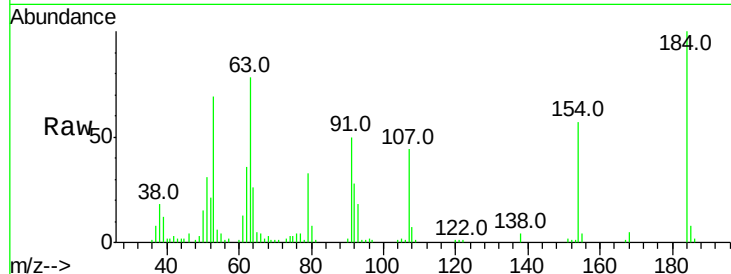
#53
 2,4-Dinitrophenol
 Concen: 42.810 ng
 RT: 9.57 min Scan# 1307
 Delta R.T. -0.03 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	69317		
63	78.0	62.7	94.1	
154	57.1	81.1	121.7	

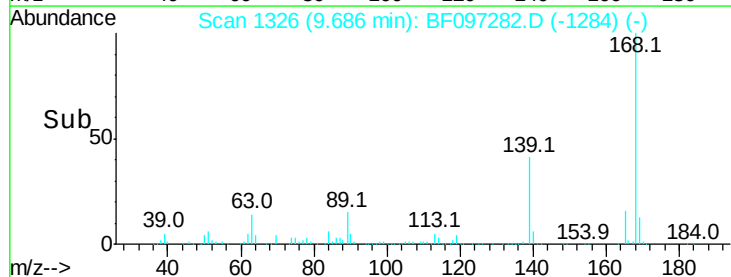
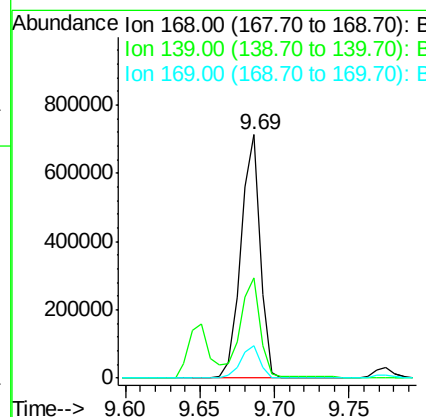
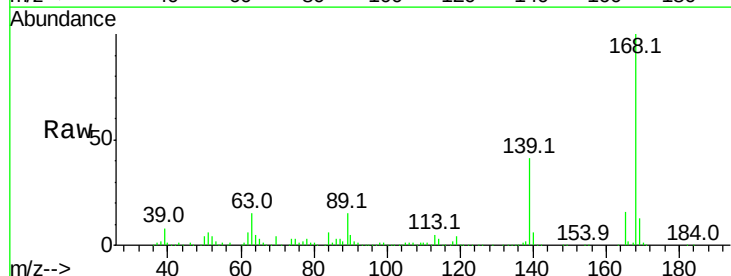
Manual Integrations
 APPROVED

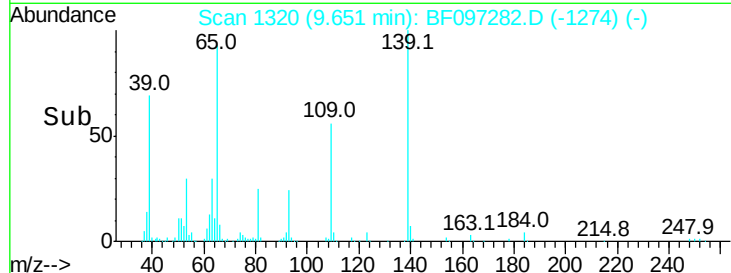
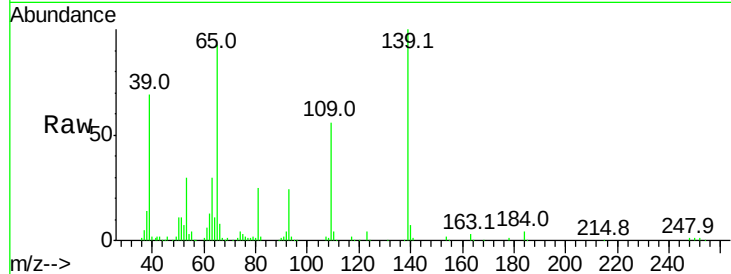
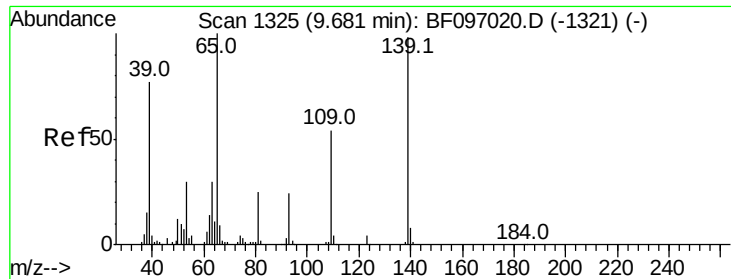
Sohil
 8/3/2017 6:08:08 PM



#54
 Dibenzofuran
 Concen: 38.628 ng
 RT: 9.69 min Scan# 1326
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	646508		
139	40.9	30.6	45.8	
169	13.5	10.8	16.2	





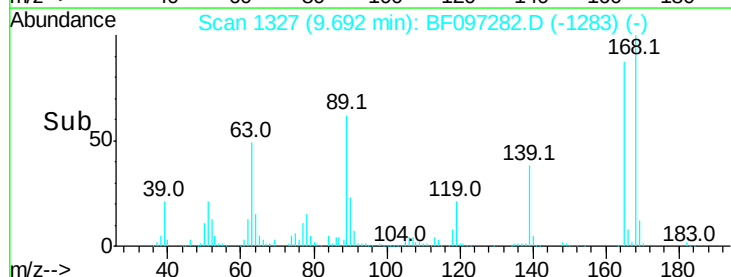
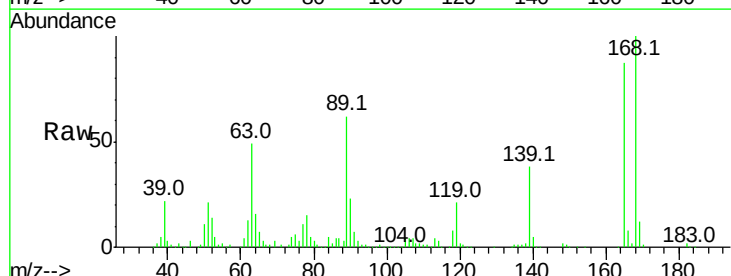
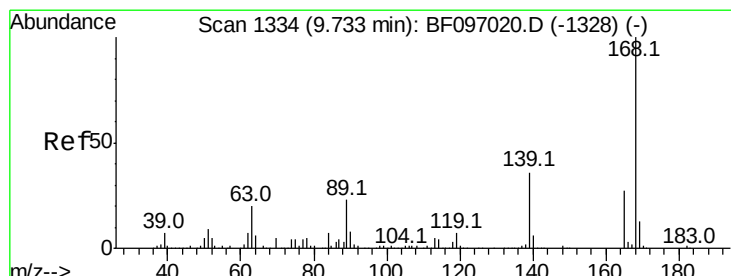
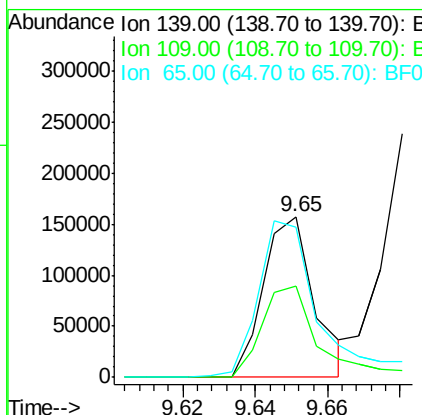
#55
4-Nitrophenol
Concen: 58.692 ng
RT: 9.65 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	56.4	34.1	74.1	
65	93.2	31.4	71.4	

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

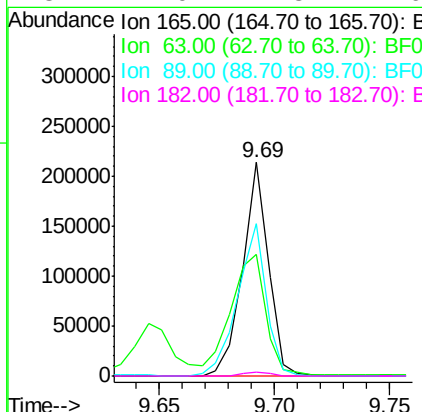
Manual Integrations
APPROVED

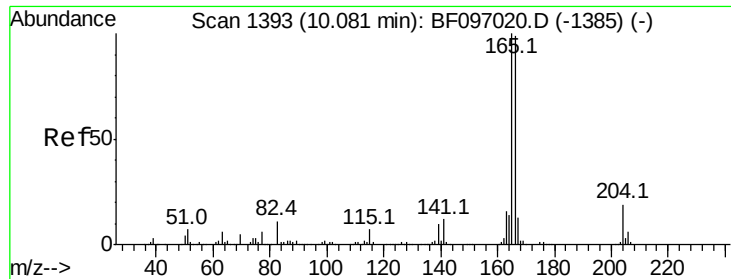
Sohil
8/3/2017 6:08:08 PM



#56
2,4-Dinitrotoluene
Concen: 40.998 ng
RT: 9.69 min Scan# 1327
Delta R.T. -0.04 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	56.8	25.4	38.0	
89	71.6	46.4	69.6	
182	2.0	1.8	2.6	





#57

Fluorene

Concen: 38.677 ng

RT: 10.03 min Scan# 1384

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

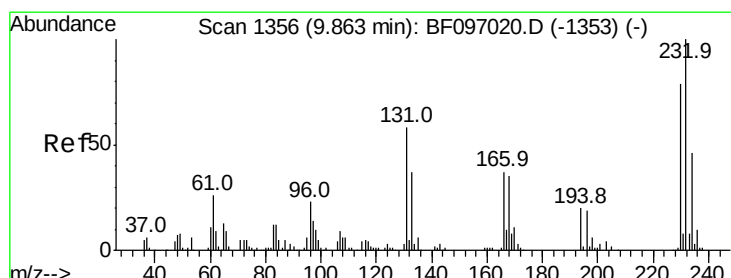
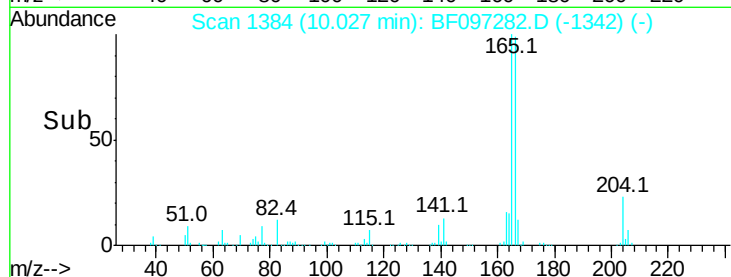
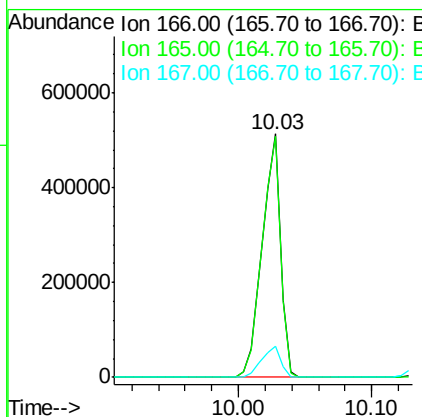
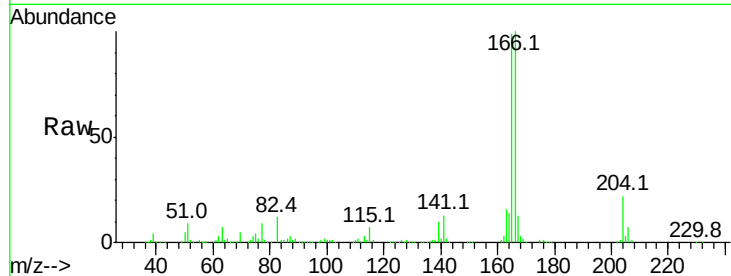
ClientSampleId :

72-11938MSD

Tot Ion:	166	Resp:	486519
Ion Ratio	Lower	Upper	
166	100		
165	98.9	78.8	118.2
167	13.0	10.6	16.0

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.783 ng

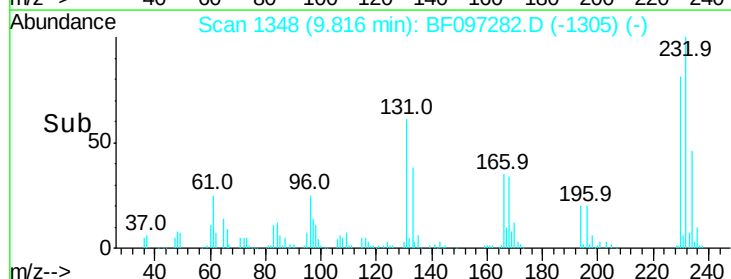
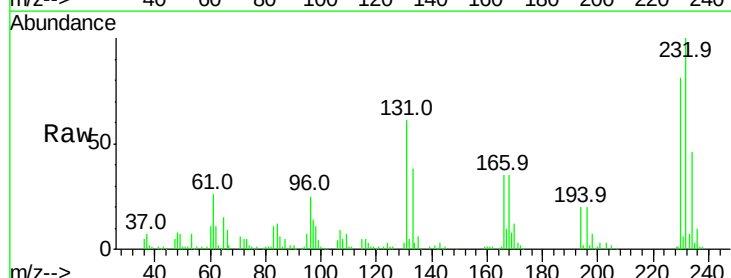
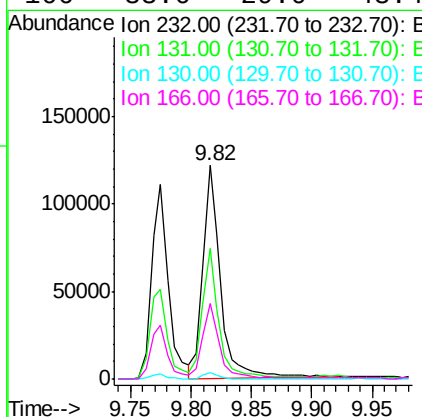
RT: 9.82 min Scan# 1348

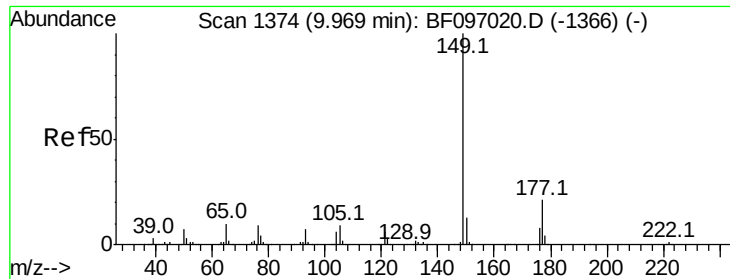
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	232	Resp:	123456
Ion Ratio	Lower	Upper	
232	100		
131	56.9	44.8	67.2
130	2.5	2.3	3.5
166	33.6	29.0	43.4





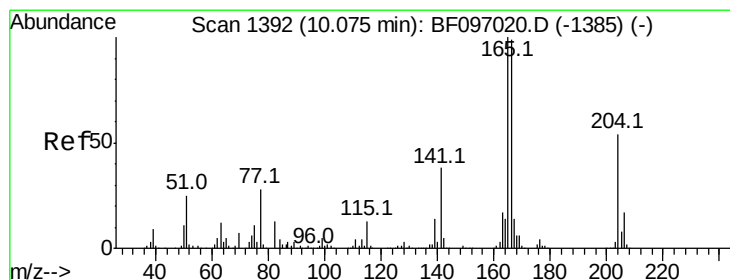
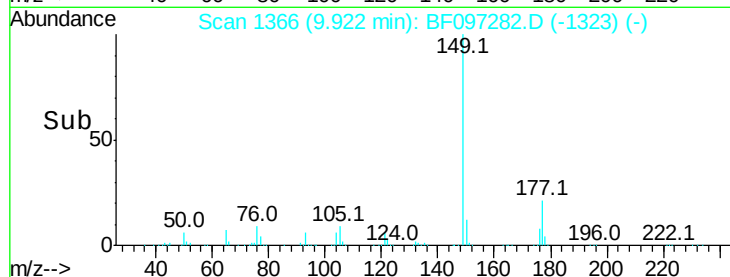
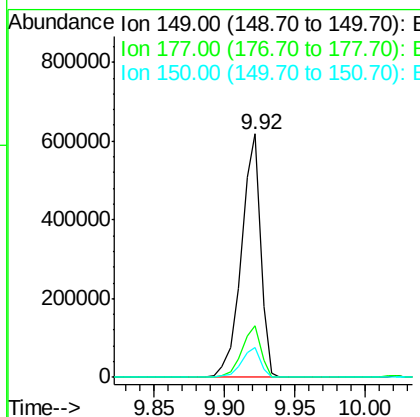
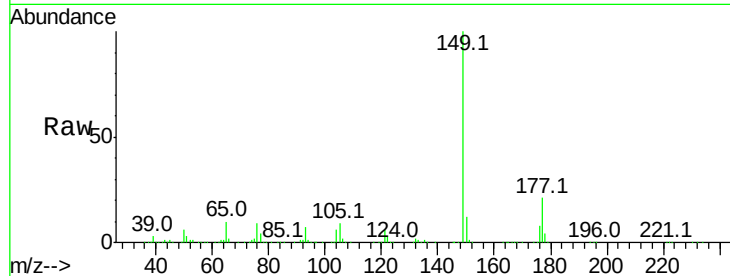
#59
Diethylphthalate
Concen: 37.896 ng
RT: 9.92 min Scan# 1366
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	583755		
177	20.9	16.7	25.1	
150	12.1	10.2	15.2	

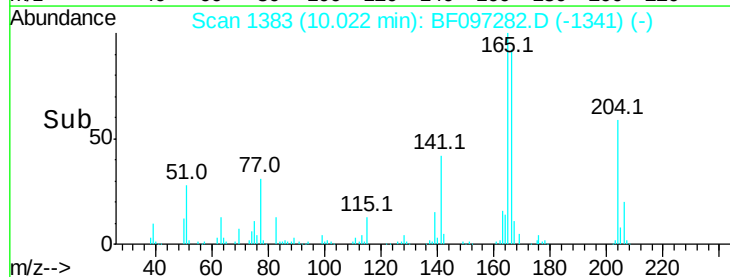
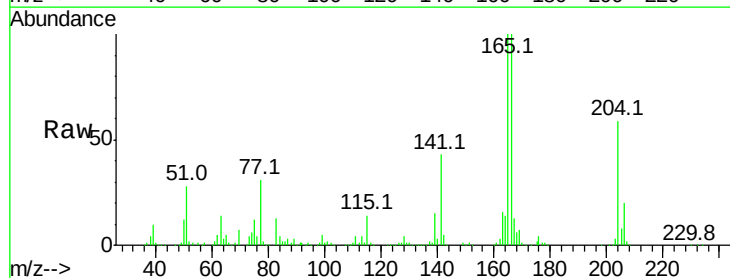
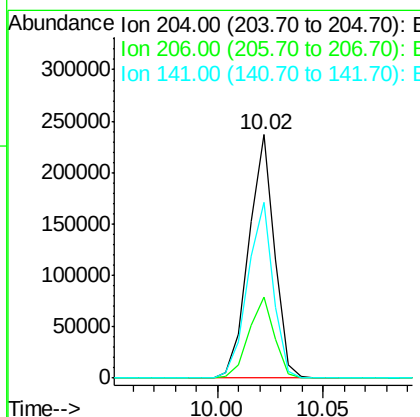
Manual Integrations
APPROVED

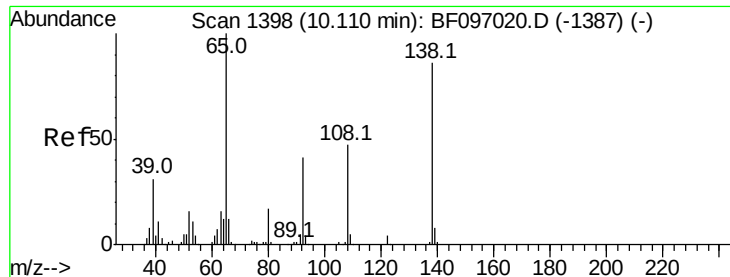
Sohil
8/3/2017 6:08:08 PM



#60
4-Chlorophenyl-phenylether
Concen: 38.565 ng
RT: 10.02 min Scan# 1383
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	200324		
206	33.0	26.2	39.2	
141	72.3	60.8	91.2	





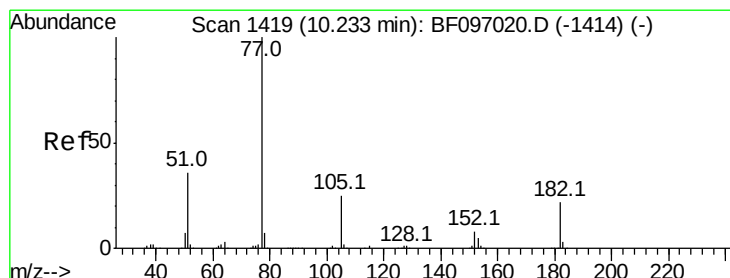
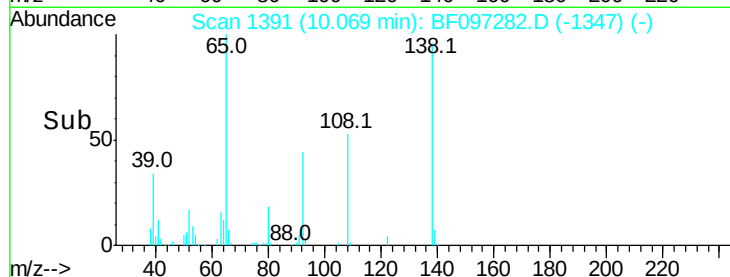
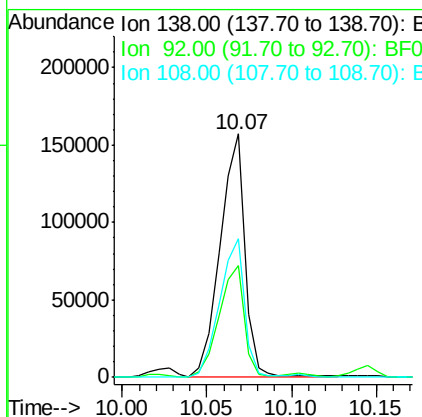
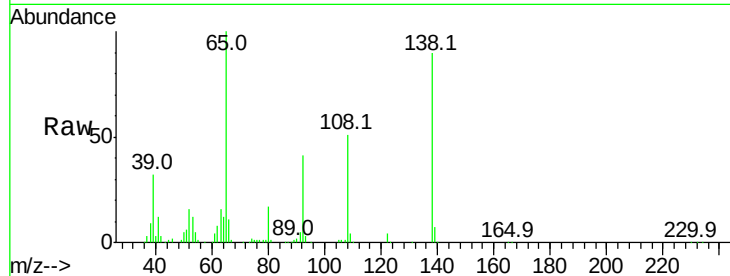
#61
4-Nitroaniline
Concen: 37.980 ng
RT: 10.07 min Scan# 1391
Delta R.T. -0.04 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	159520		
92	45.7	21.8	61.8	
108	57.0	42.3	82.3	

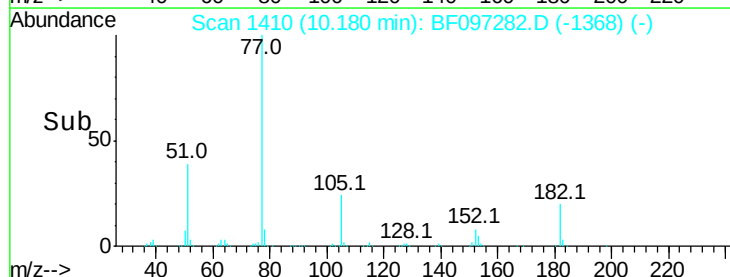
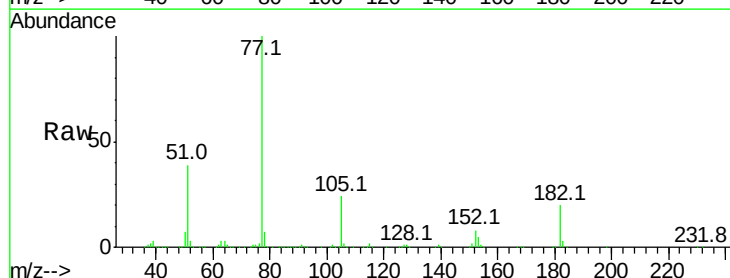
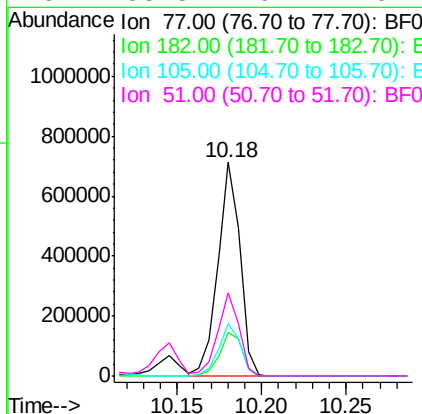
Manual Integrations
APPROVED

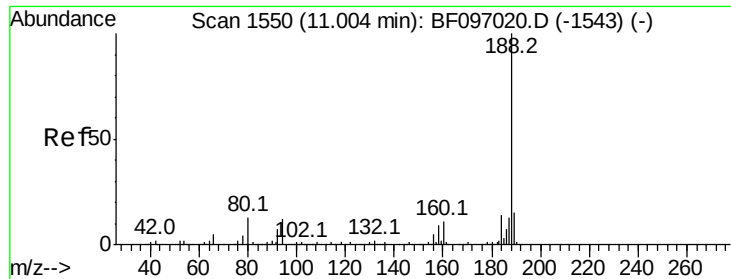
Sohil
8/3/2017 6:08:08 PM



#62
Azobenzene
Concen: 45.613 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	651821		
182	20.4	0.1	40.1	
105	24.3	3.6	43.6	
51	38.8	9.4	49.4	





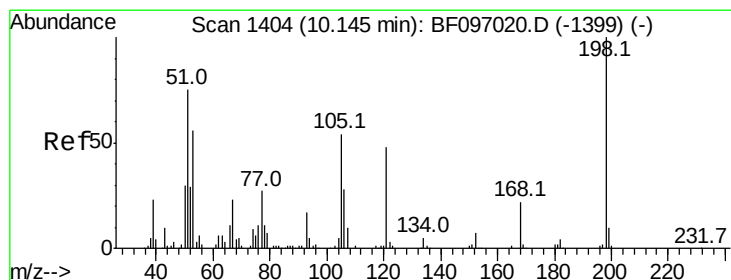
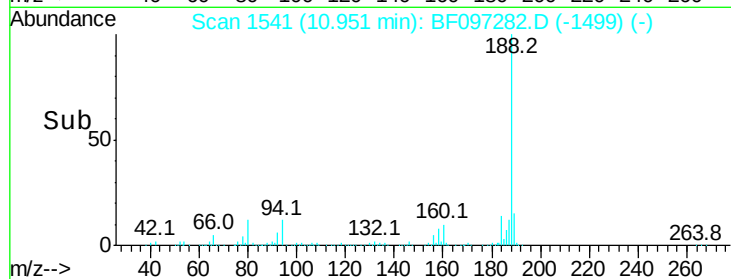
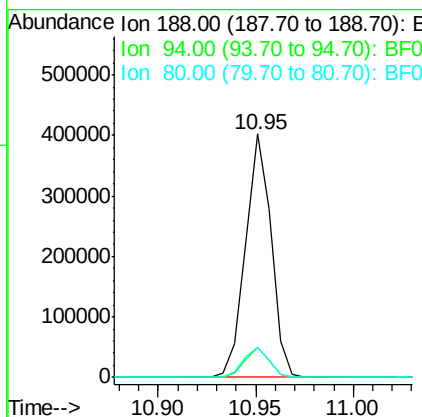
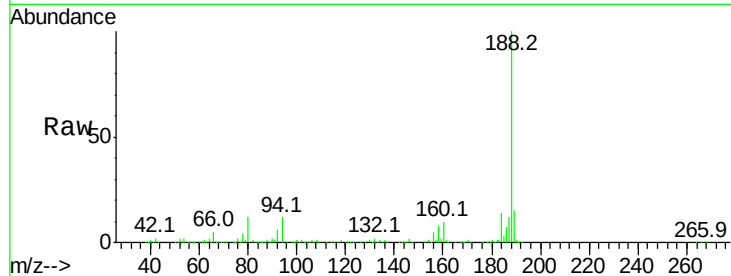
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	366104		
94	12.2		9.4	14.2
80	12.1		10.2	15.2

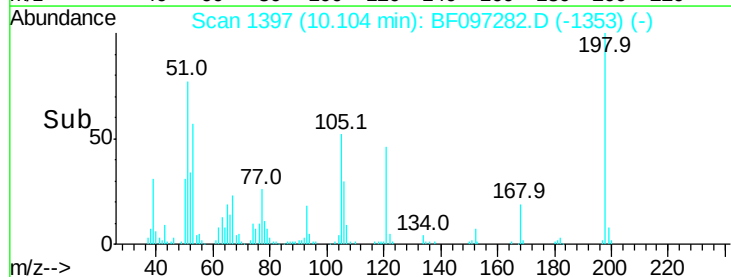
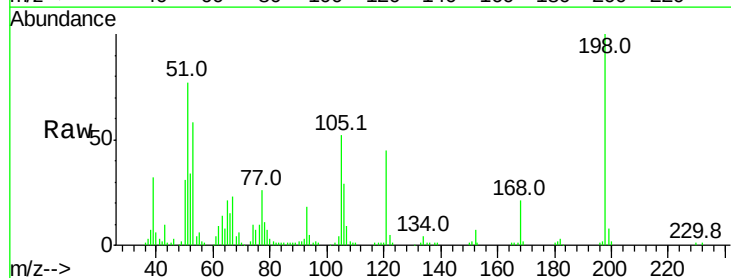
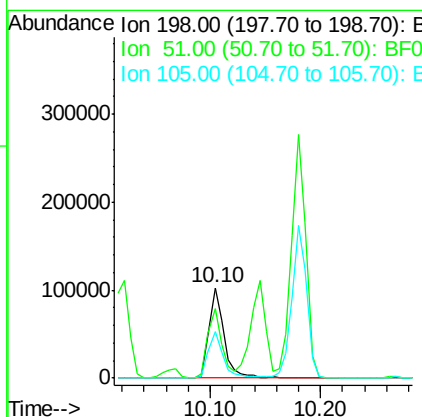
Manual Integrations
APPROVED

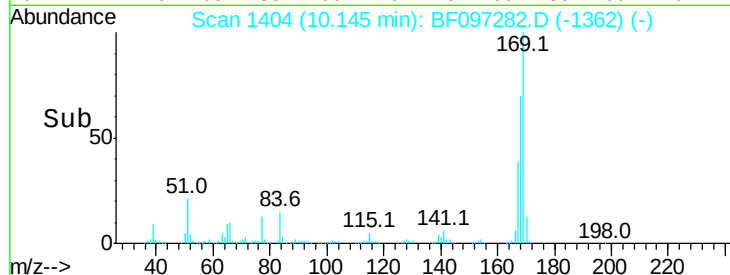
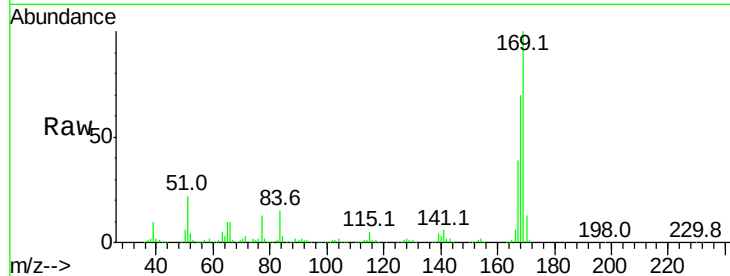
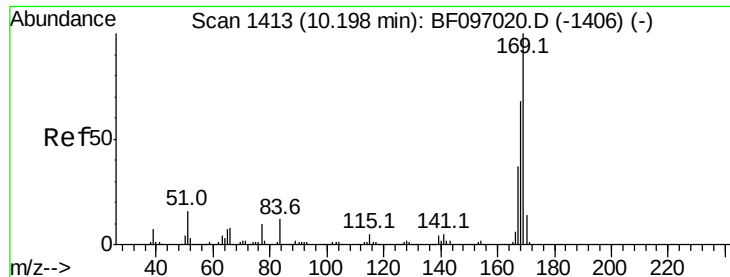
Sohil
8/3/2017 6:08:08 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 41.663 ng
RT: 10.10 min Scan# 1397
Delta R.T. -0.04 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	94781		
51	76.8		53.2	93.2
105	52.0		45.8	85.8





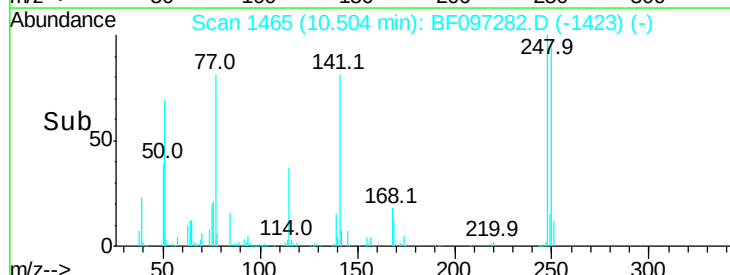
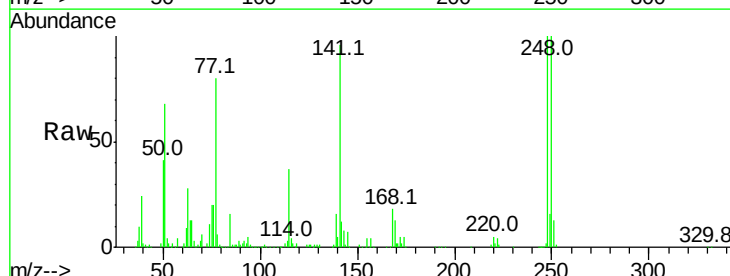
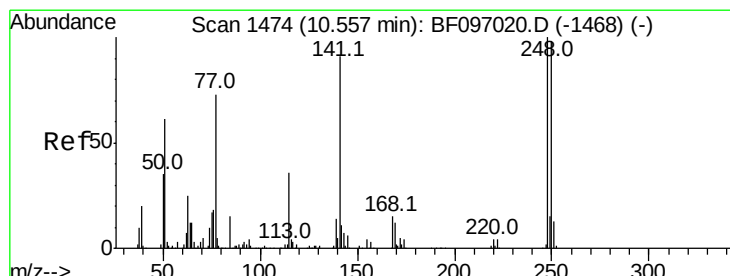
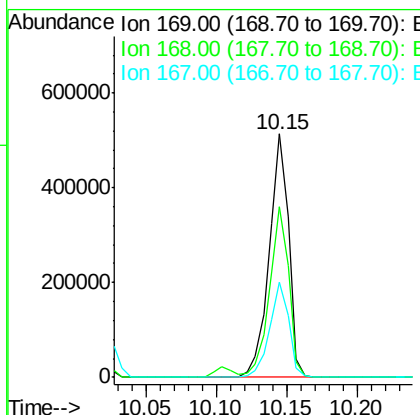
#65
n-Nitrosodiphenylamine
Concen: 39.226 ng
RT: 10.15 min Scan# 1404
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tot Ion	Ratio	Resp	Lower	Upper
169	100	499666		
168	70.2	53.2	79.8	
167	39.1	29.5	44.3	

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

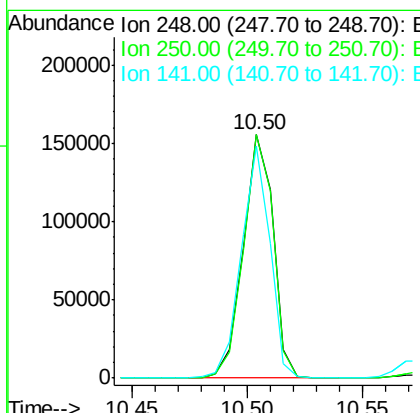
Manual Integrations
APPROVED

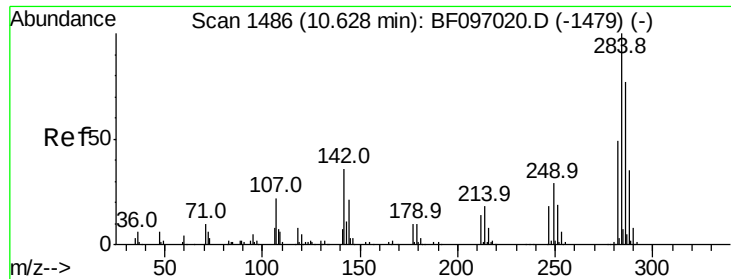
Sohil
8/3/2017 6:08:08 PM



#66
4-Bromophenyl-phenylether
Concen: 38.698 ng
RT: 10.50 min Scan# 1465
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	141387		
250	99.9	76.8	115.2	
141	95.5	68.6	103.0	





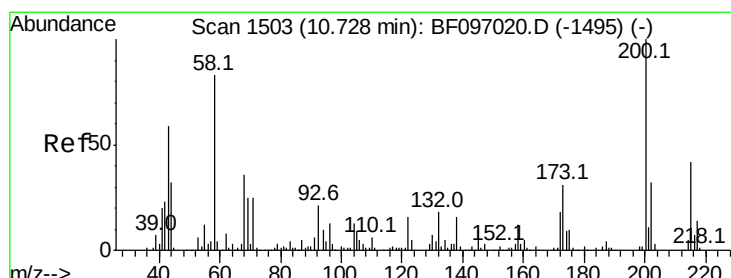
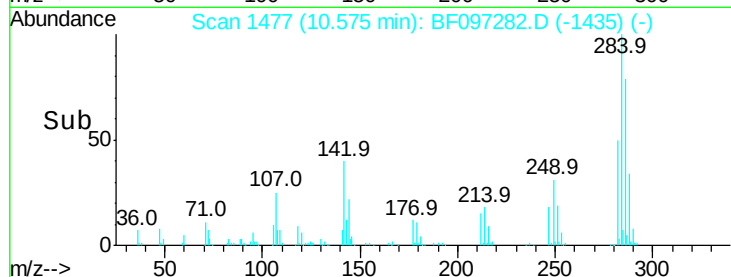
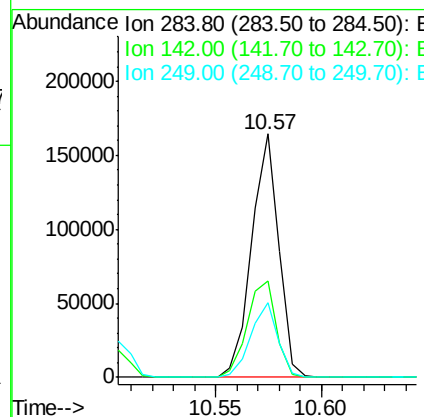
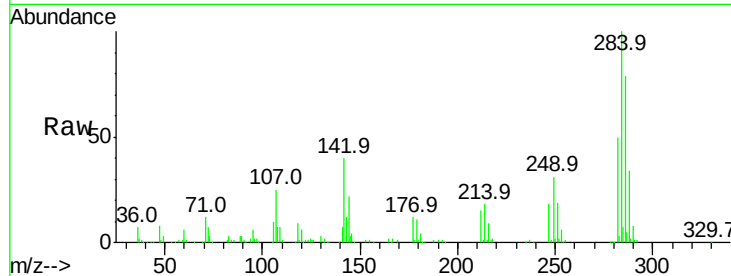
#67
Hexachlorobenzene
Concen: 35.798 ng
RT: 10.57 min Scan# 1477
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	146669		
142	39.7	22.8	34.2#	
249	30.7	24.0	36.0	

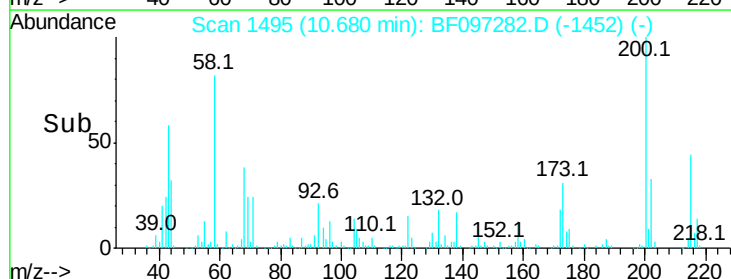
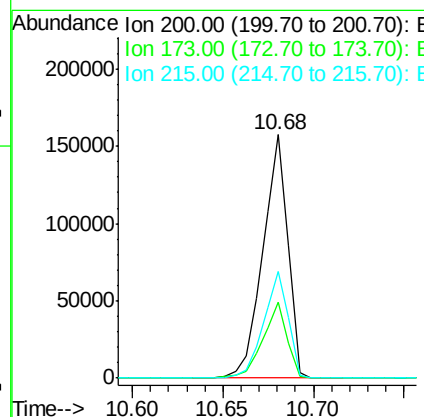
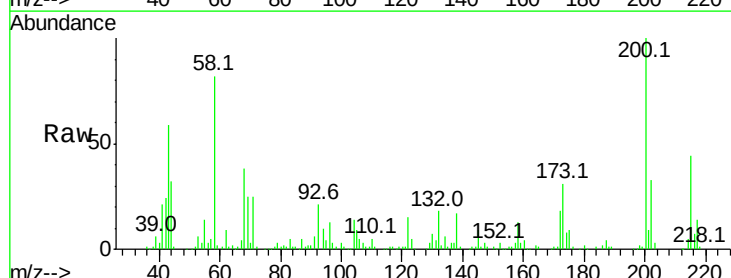
Manual Integrations
APPROVED

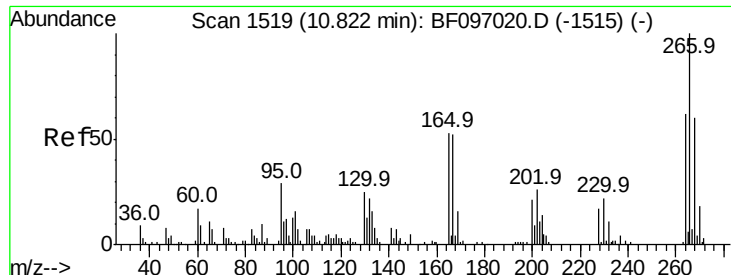
Sohil
8/3/2017 6:08:08 PM



#68
Atrazine
Concen: 41.407 ng
RT: 10.68 min Scan# 1495
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	151248		
173	31.0	6.3	46.3	
215	43.7	27.2	67.2	





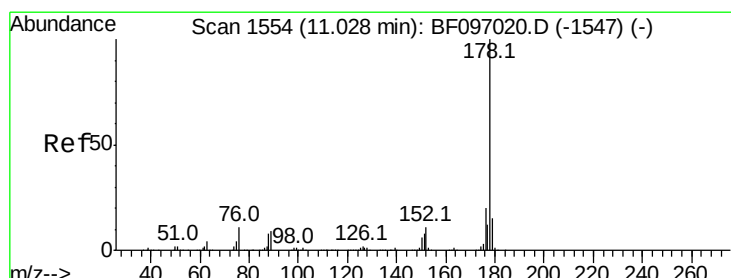
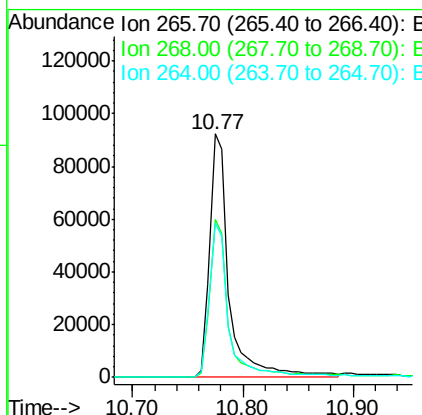
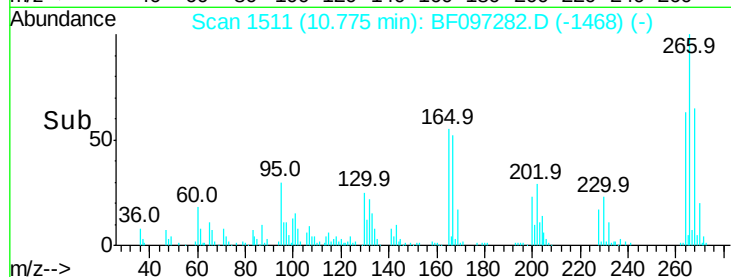
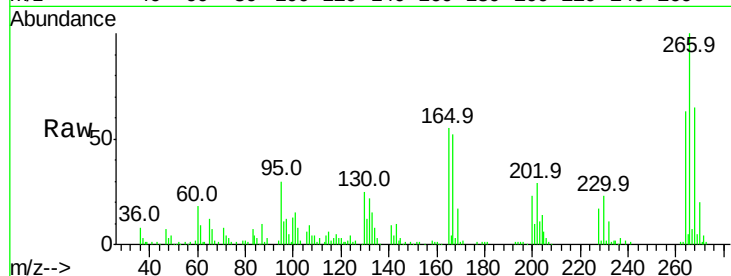
#69
 Pentachlorophenol
 Concen: 65.613 ng
 RT: 10.77 min Scan# 1511
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	111229		
268	64.8	51.1	76.7	
264	63.2	51.7	77.5	

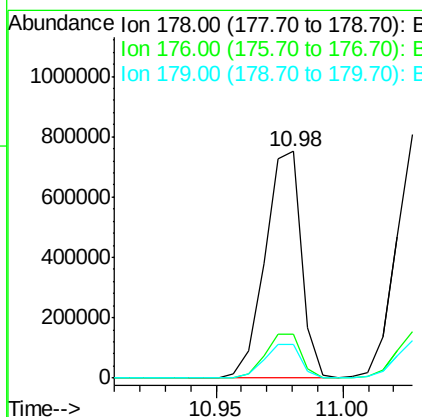
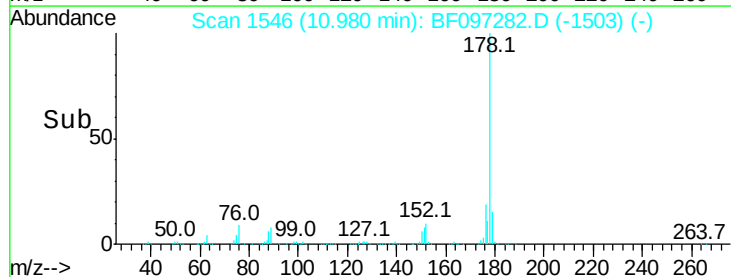
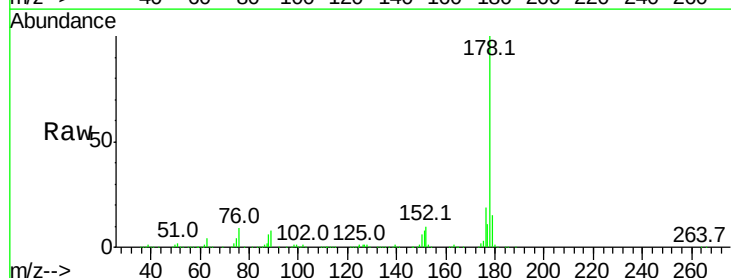
Manual Integrations
 APPROVED

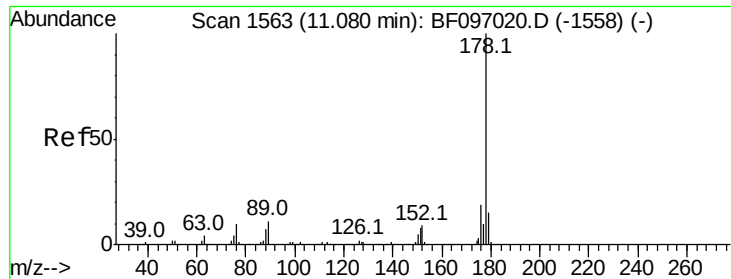
Sohil
 8/3/2017 6:08:08 PM



#70
 Phenanthrene
 Concen: 38.550 ng
 RT: 10.98 min Scan# 1546
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	756202		
176	19.5	16.2	24.4	
179	15.1	12.6	19.0	





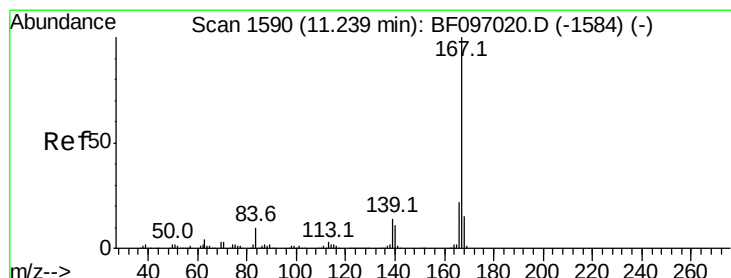
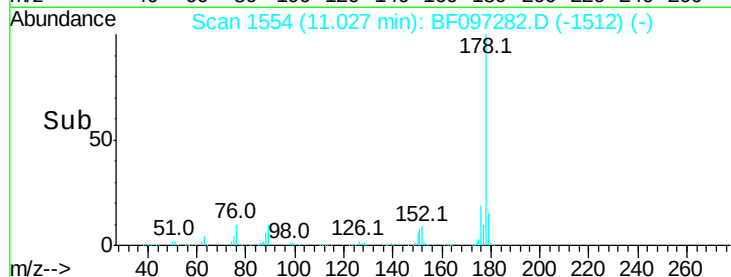
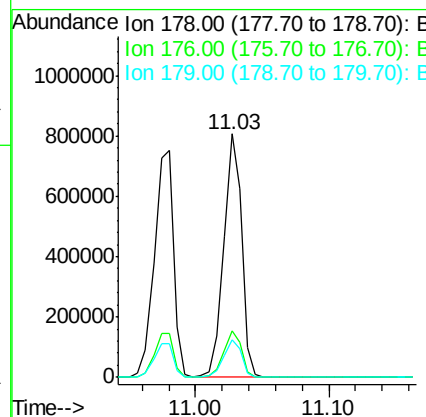
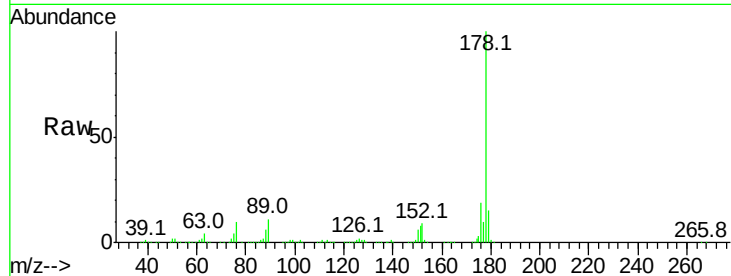
#71
 Anthracene
 Concen: 38.382 ng
 RT: 11.03 min Scan# 1554
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.5	12.7	19.1

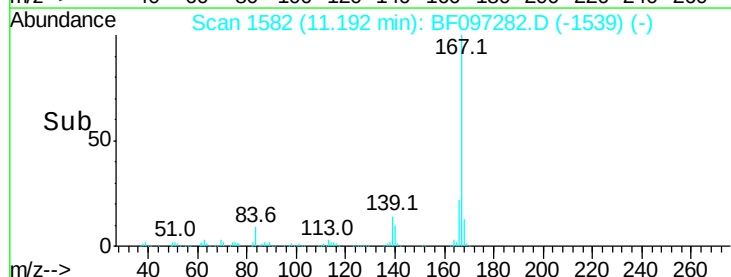
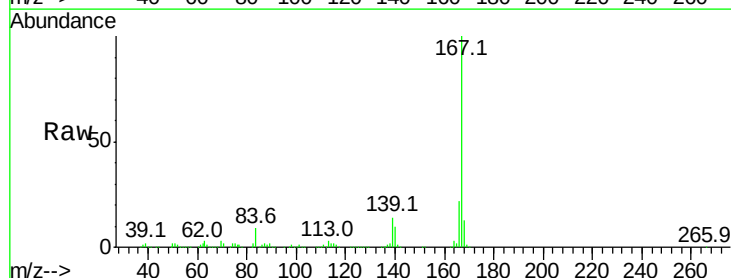
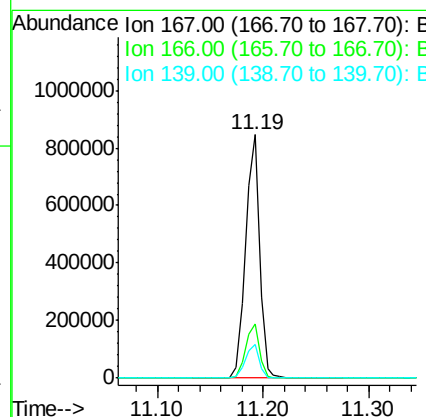
Manual Integrations
 APPROVED

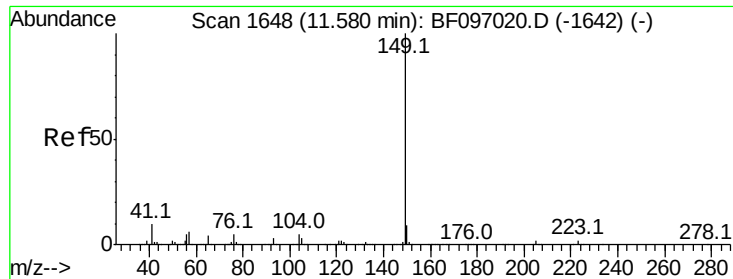
Sohil
 8/3/2017 6:08:08 PM



#72
 Carbazole
 Concen: 38.646 ng
 RT: 11.19 min Scan# 1582
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.6	11.7	17.5





#73

Di-n-butylphthalate

Concen: 38.070 ng

RT: 11.53 min Scan# 1640

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

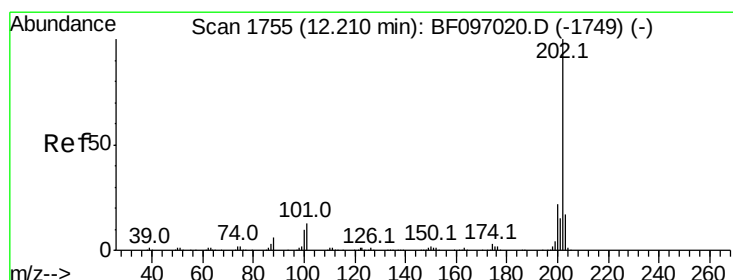
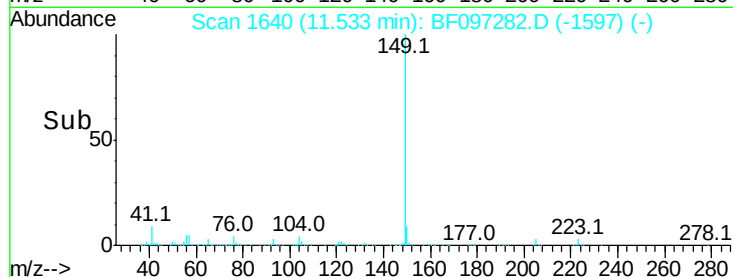
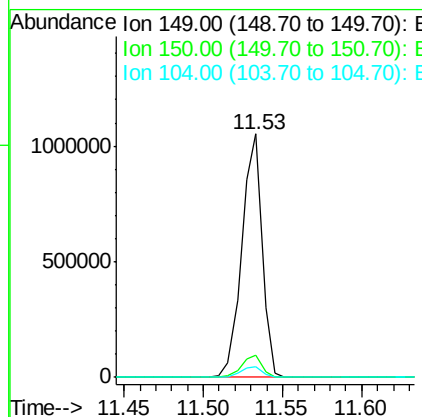
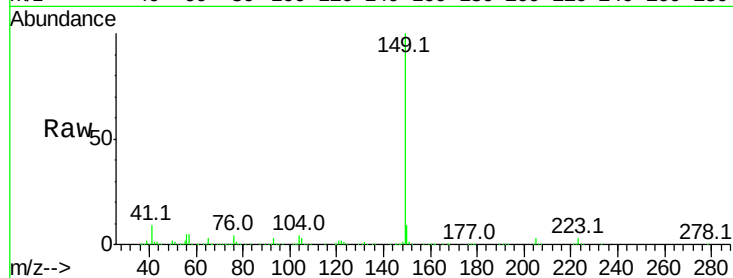
ClientSampleId :

72-11938MSD

Tot Ion:	149	Resp:	929827
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	4.4	4.0	6.0

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#74

Fluoranthene

Concen: 42.264 ng

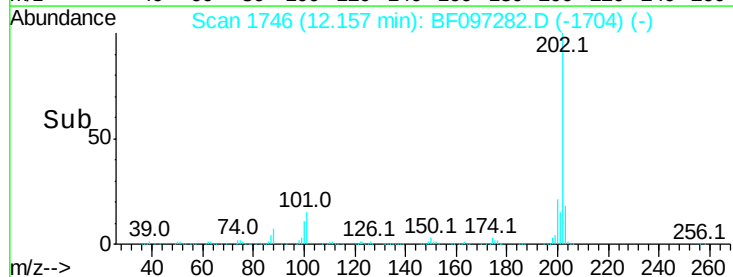
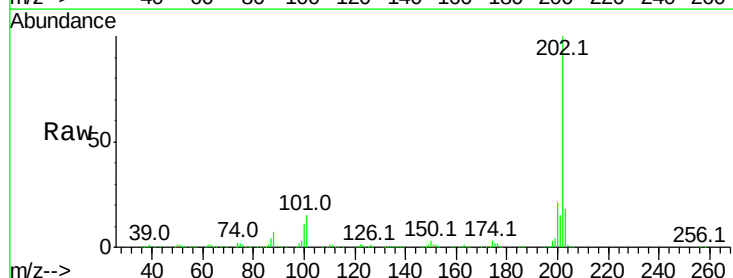
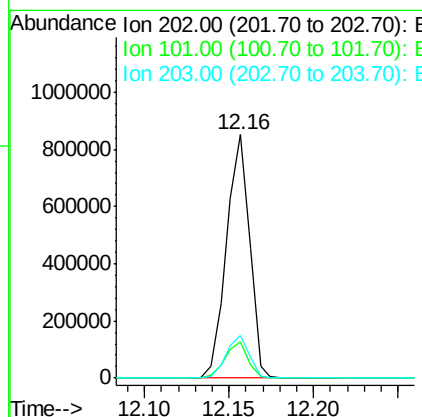
RT: 12.16 min Scan# 1746

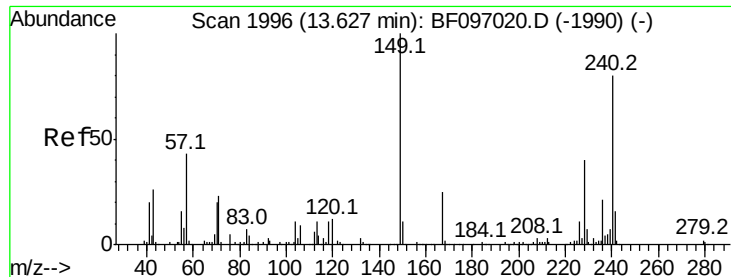
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	202	Resp:	812185
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.57 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

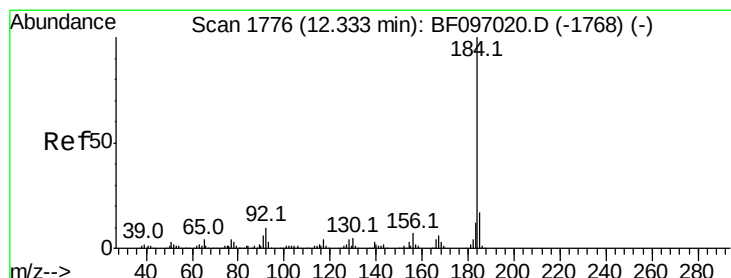
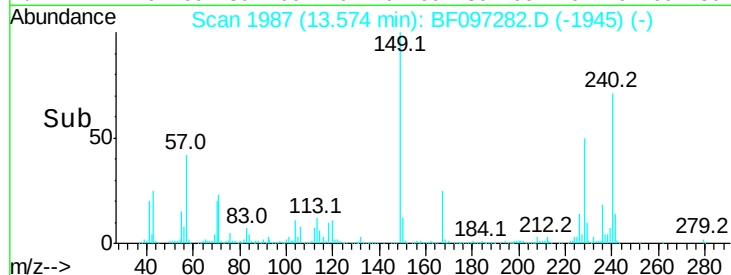
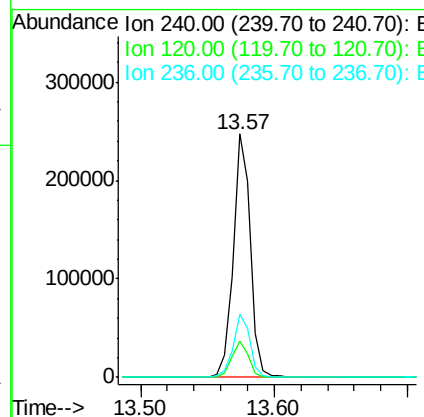
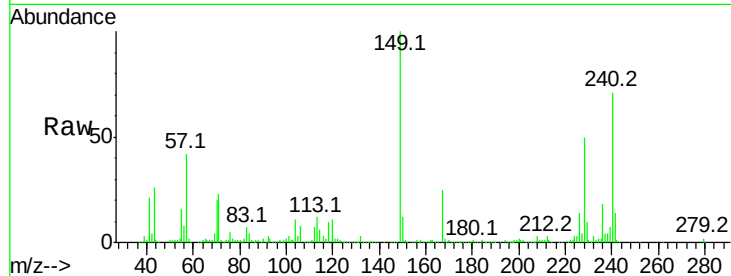
ClientSampleId :

72-11938MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.9	20.5	30.7

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#76

Benzidine

Concen: 53.377 ng

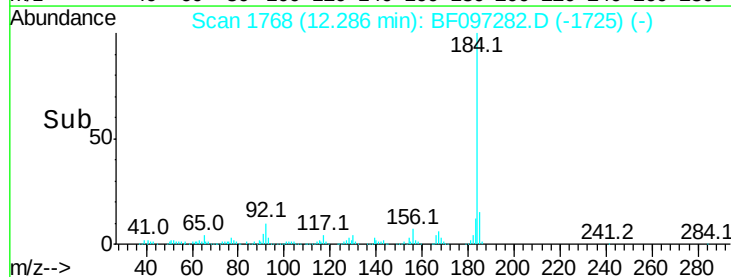
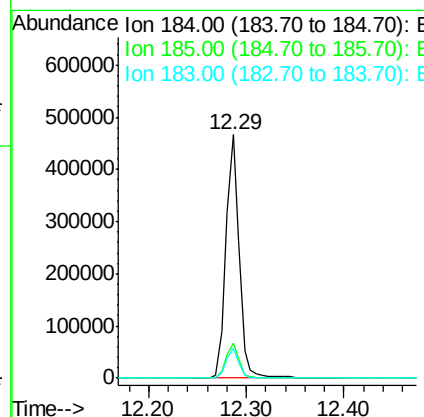
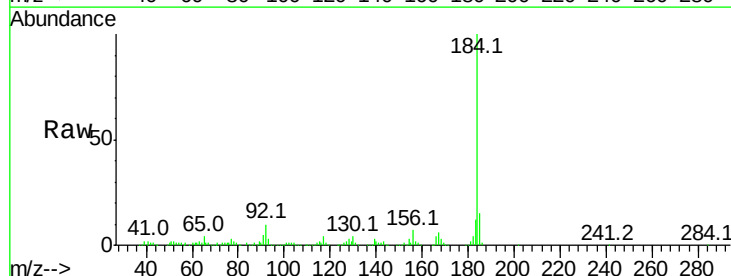
RT: 12.29 min Scan# 1768

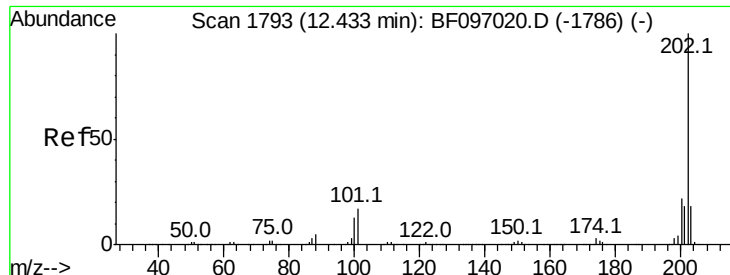
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.6	15.5	23.3#
183	12.4	9.8	14.6





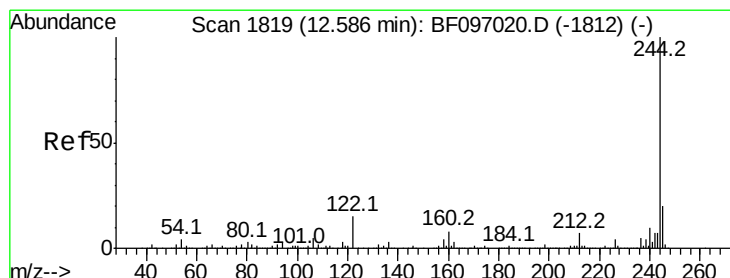
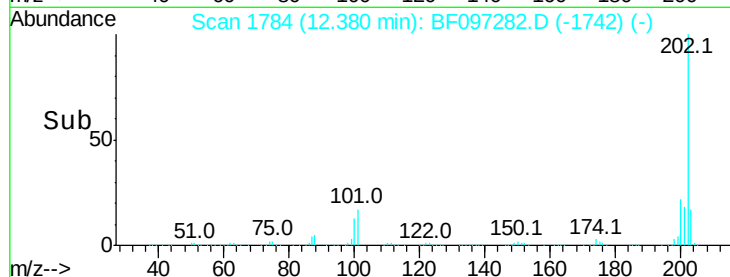
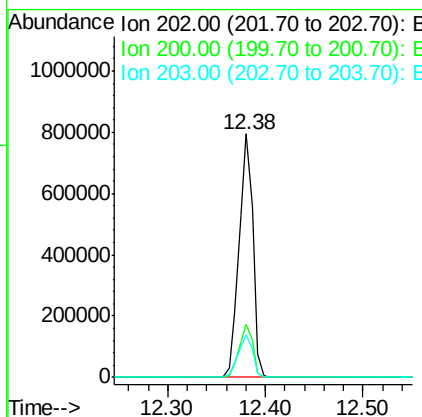
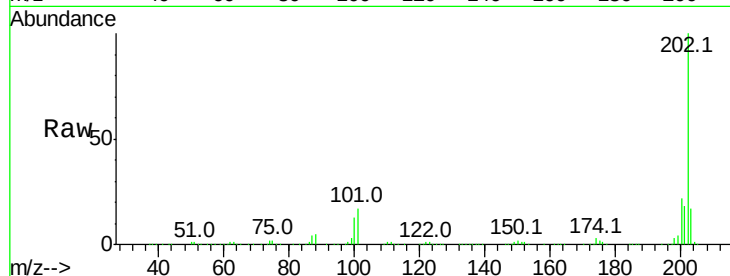
#77
Pvrene
Concen: 42.745 ng
RT: 12.38 min Scan# 1784
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	780715		
200	21.9		17.6	26.4
203	17.4		14.4	21.6

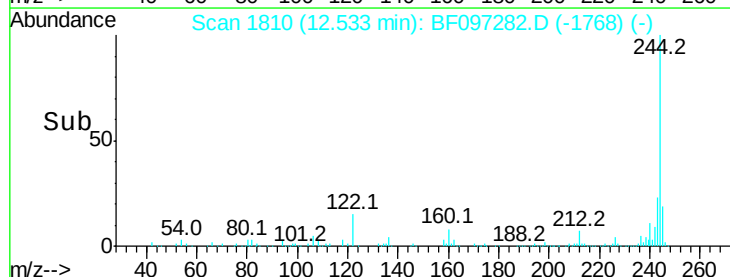
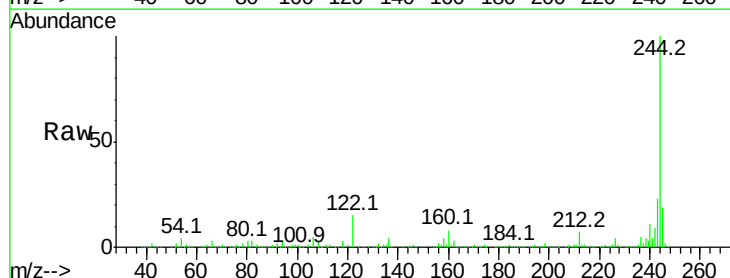
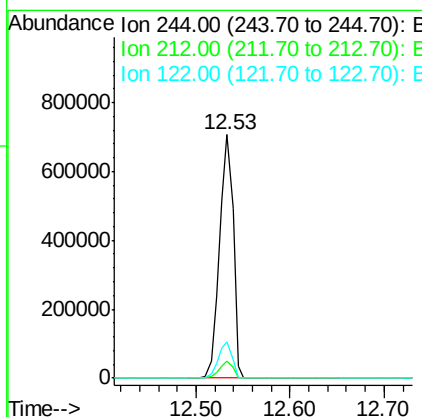
Manual Integrations
APPROVED

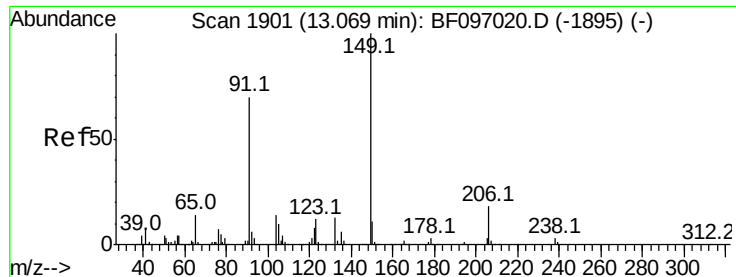
Sohil
8/3/2017 6:08:08 PM



#78
Terphenyl-d14
Concen: 66.279 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	725256		
212	7.2		6.0	9.0
122	14.7		10.3	15.5





#79

Butylbenzylphthalate

Concen: 46.371 ng

RT: 13.02 min Scan# 1892

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

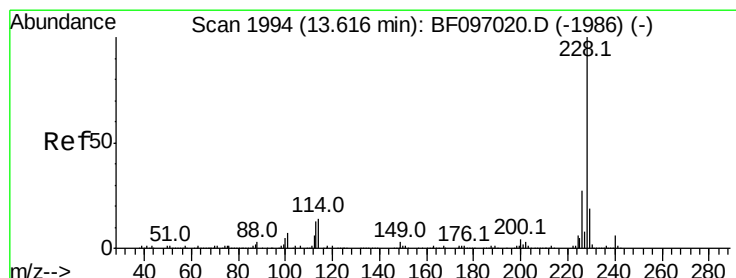
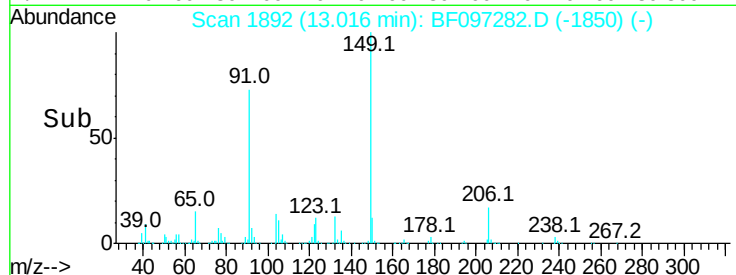
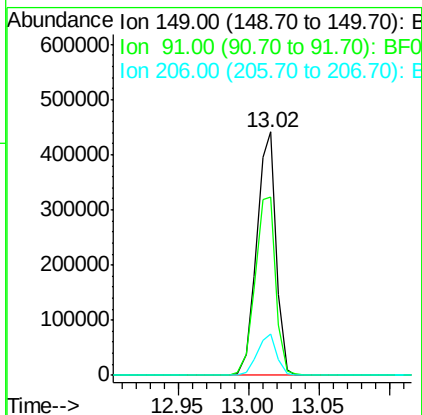
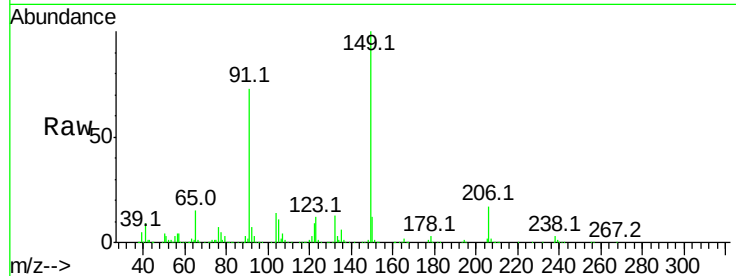
ClientSampleId :

72-11938MSD

Tot Ion:	149	Resp:	430818
Ion Ratio	Lower	Upper	
149	100		
91	73.2	45.0	67.4#
206	17.2	17.0	25.6

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



#80

Benzo(a)anthracene

Concen: 38.300 ng

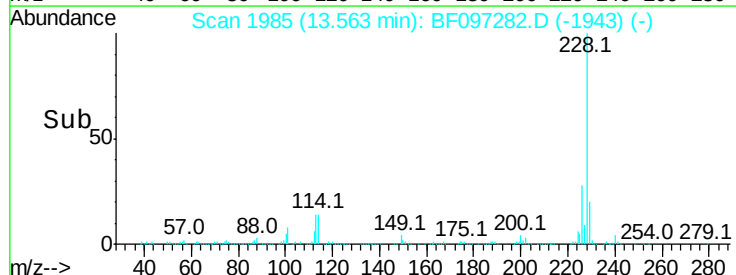
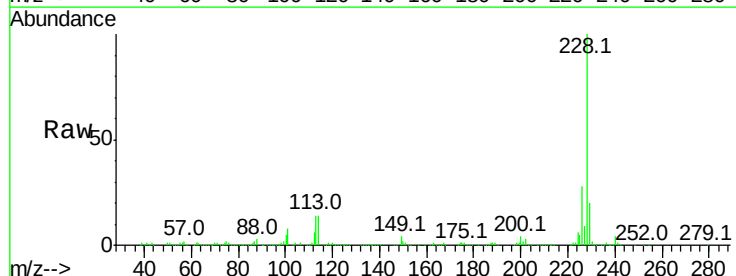
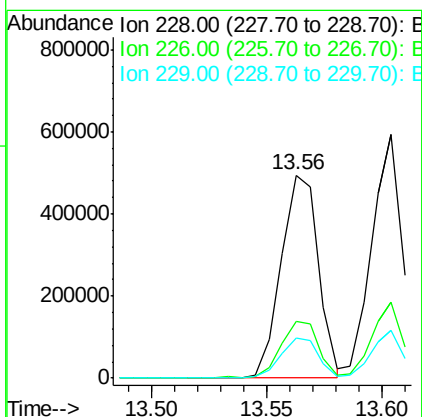
RT: 13.56 min Scan# 1985

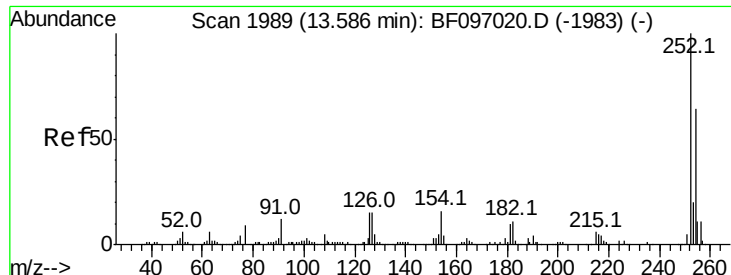
Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	228	Resp:	552878
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	19.6	16.3	24.5





#81

3,3'-Dichlorobenzidine

Concen: 29.327 ng

RT: 13.53 min Scan# 1980

Delta R.T. -0.05 min

Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Instrument :

BNA_F

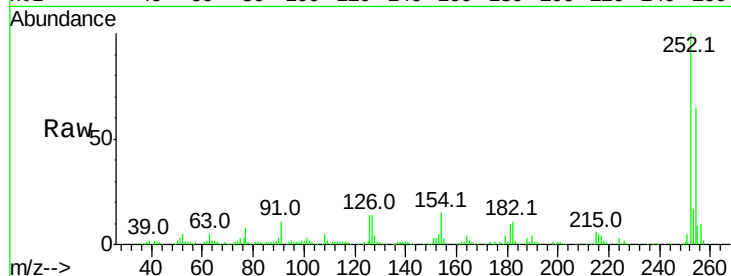
ClientSampleId :

72-11938MSD

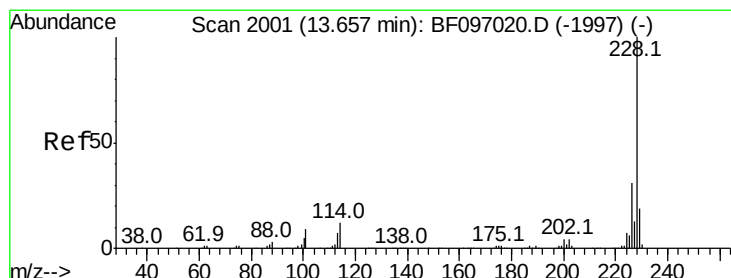
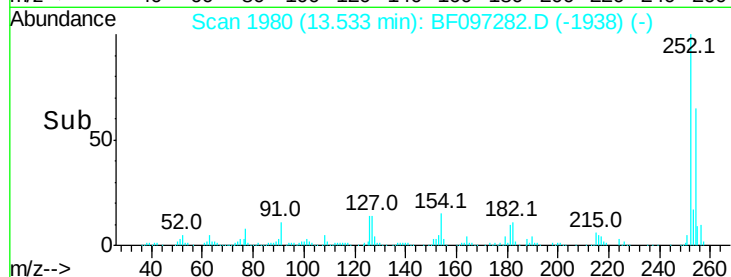
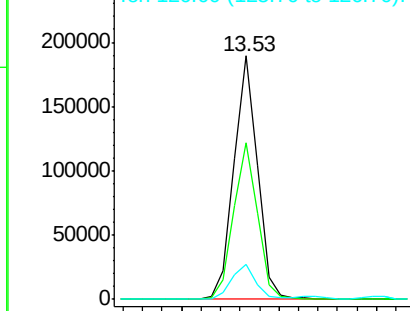
Tot Ion:	252	Resp:	159650
Ion Ratio	Lower	Upper	
252	100		
254	64.5	51.5	77.3
126	14.2	15.8	23.8#

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 38.499 ng

RT: 13.60 min Scan# 1992

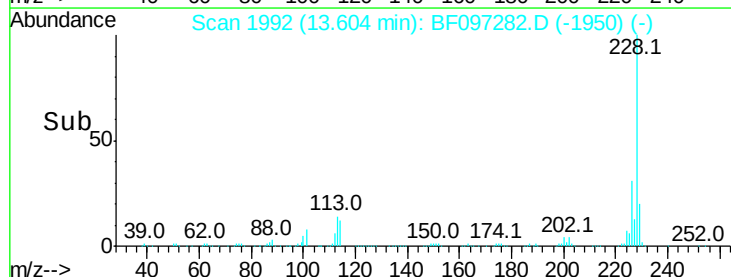
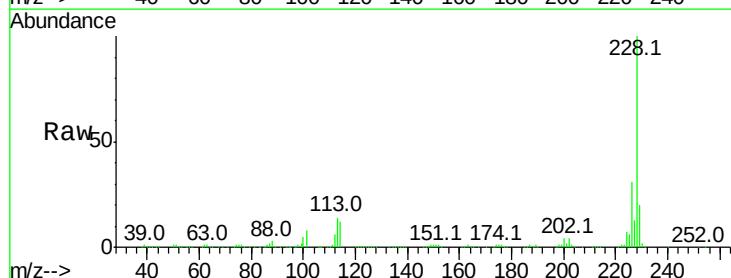
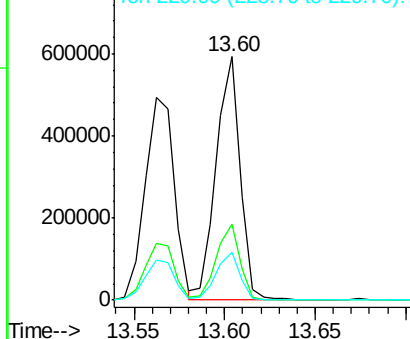
Delta R.T. -0.05 min

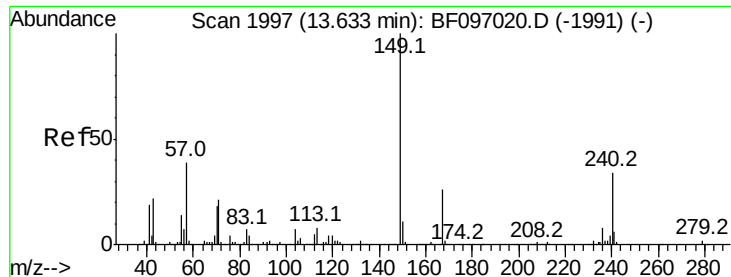
Lab File: BF097282.D

Acq: 2 Aug 2017 19:20

Tgt Ion:	228	Resp:	542673
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	19.6	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





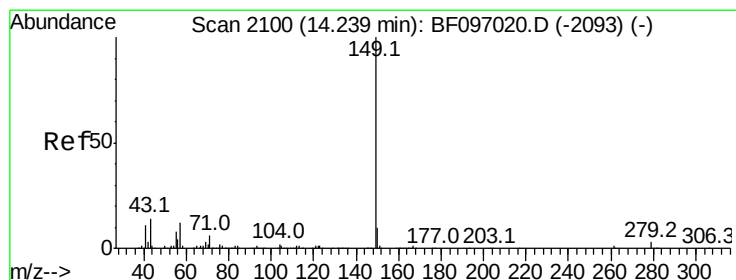
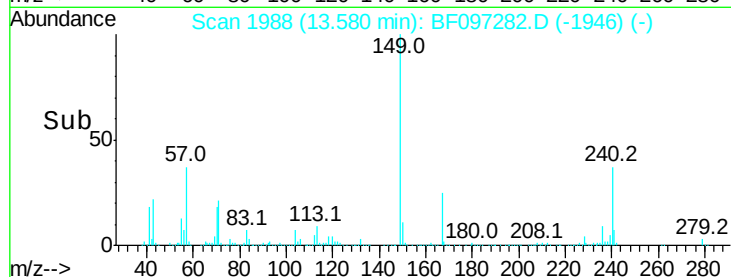
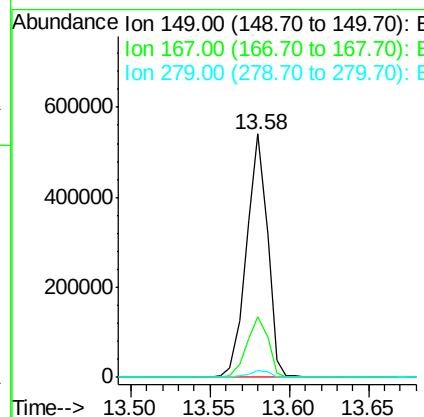
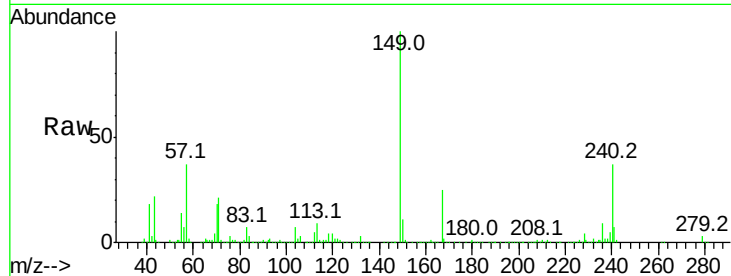
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.834 ng
 RT: 13.58 min Scan# 1988
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	495341		
167	25.0	21.0	31.4	
279	2.7	1.9	2.9	

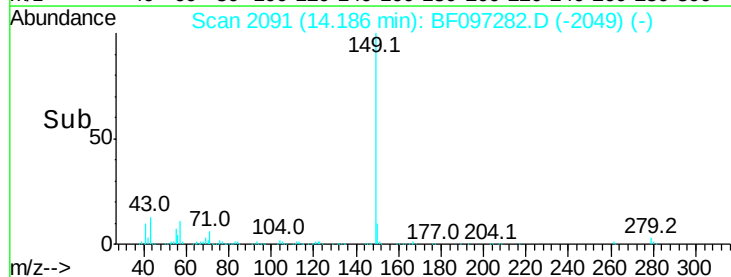
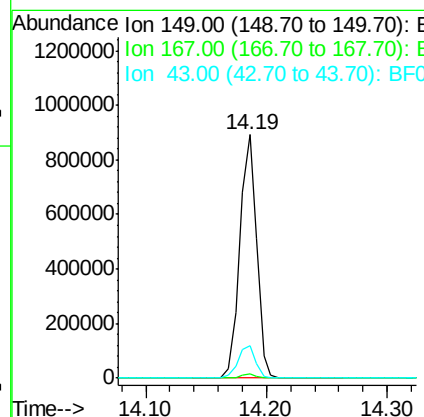
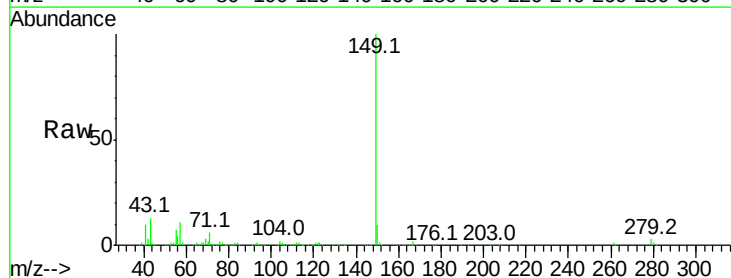
Manual Integrations
 APPROVED

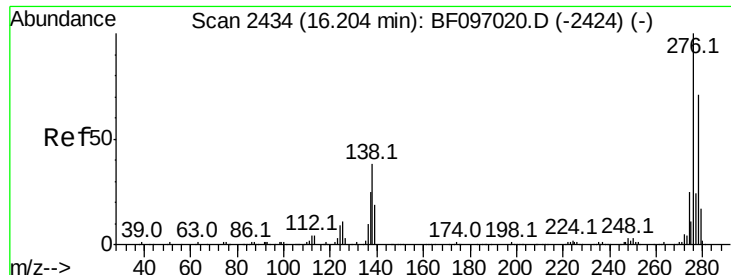
Sohil
 8/3/2017 6:08:08 PM



#84
 Di-n-octyl phthalate
 Concen: 39.162 ng
 RT: 14.19 min Scan# 2091
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	871795		
167	1.5	1.2	1.8	
43	13.5	8.5	12.7#	





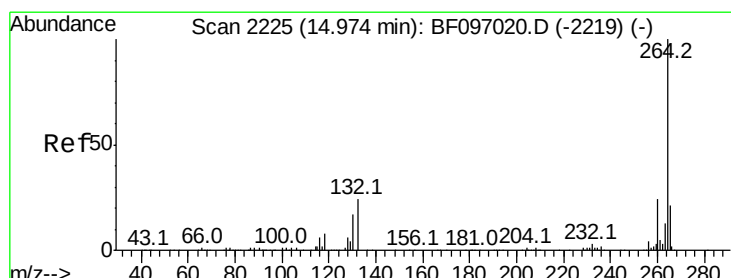
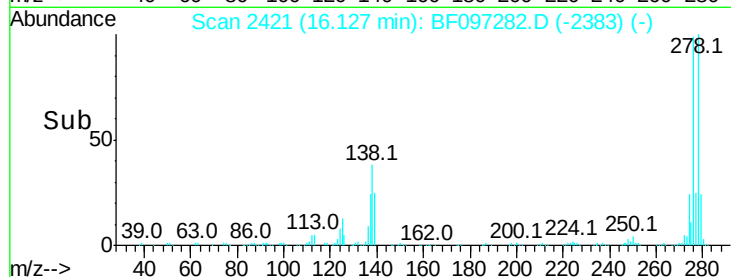
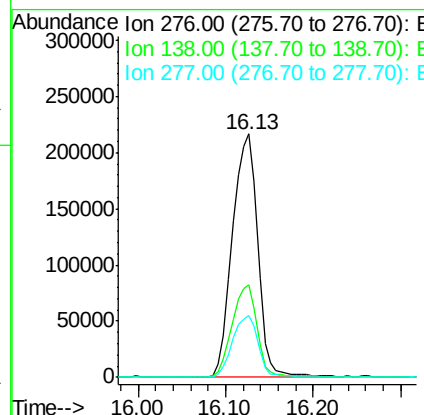
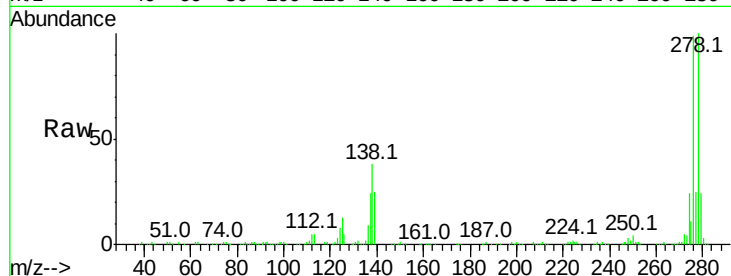
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.651 ng
 RT: 16.13 min Scan# 2421
 Delta R.T. -0.08 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.9	27.8	41.6
277	25.3	20.2	30.4

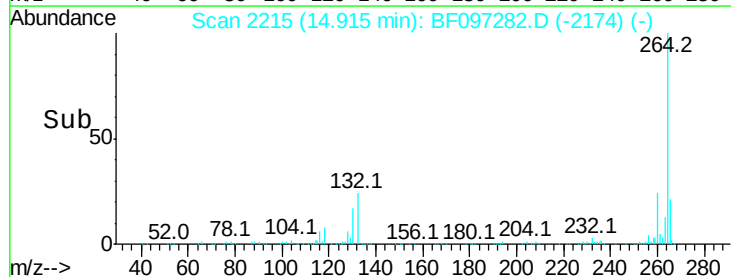
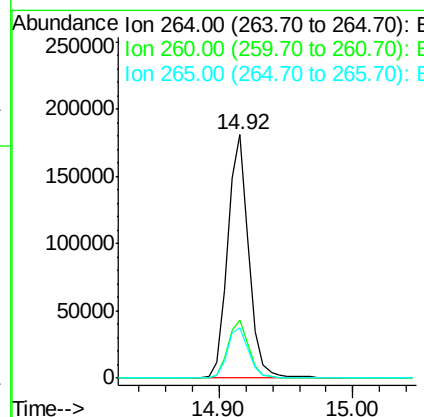
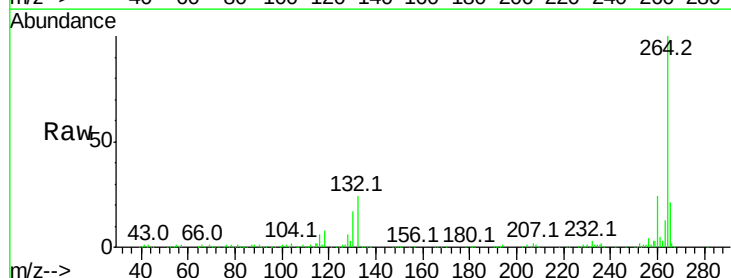
Manual Integrations
 APPROVED

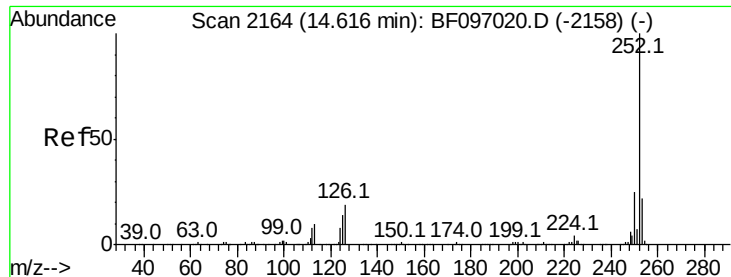
Sohil
 8/3/2017 6:08:08 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.92 min Scan# 2215
 Delta R.T. -0.06 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.9	17.2	25.8





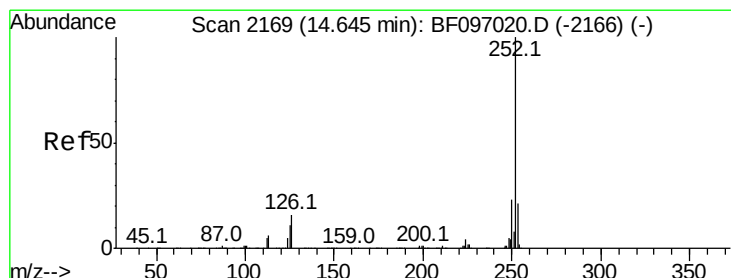
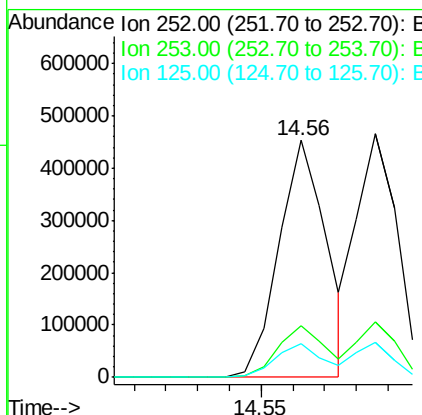
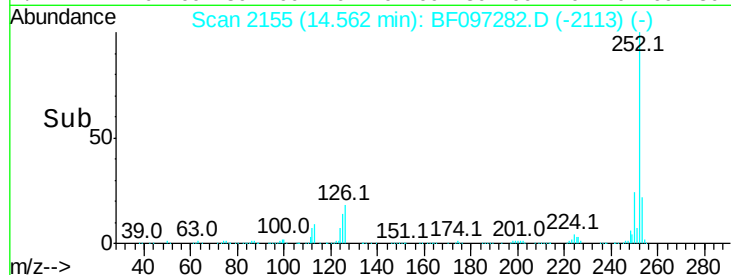
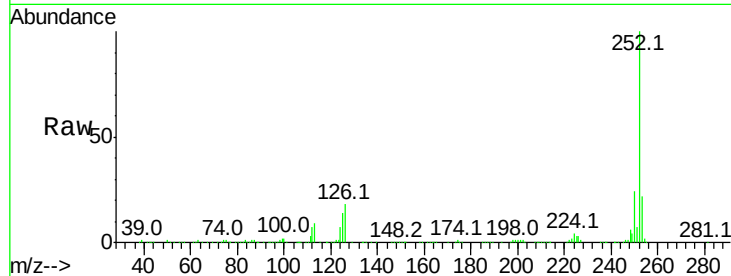
#87
 Benzo(b)fluoranthene
 Concen: 38.963 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.05 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	14.1	9.8	14.8

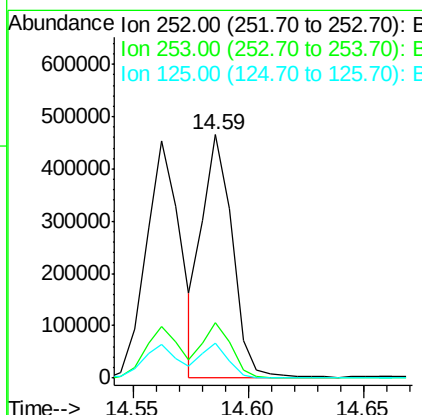
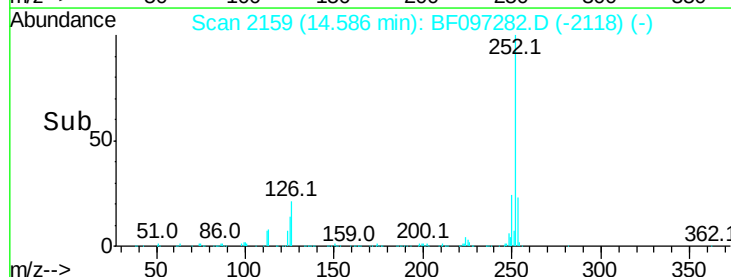
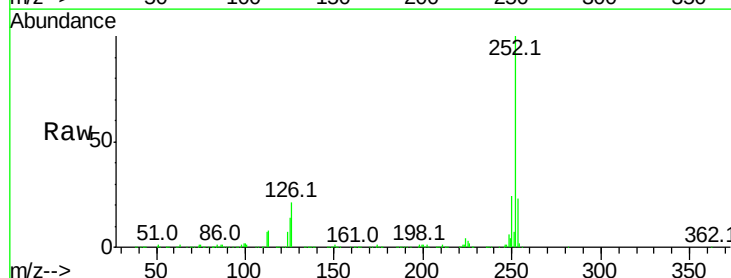
Manual Integrations
 APPROVED

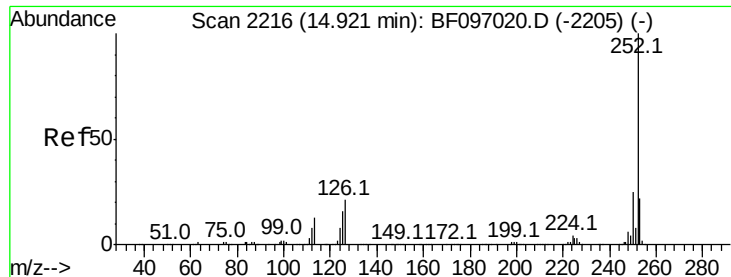
Sohil
 8/3/2017 6:08:08 PM



#88
 Benzo(k)fluoranthene
 Concen: 36.368 ng
 RT: 14.59 min Scan# 2159
 Delta R.T. -0.06 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.2	13.1	19.7





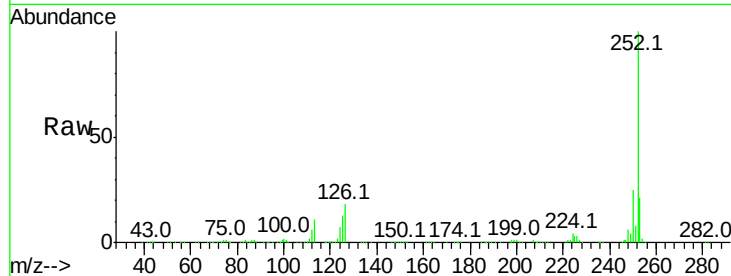
#89
Benzo(a)pyrene
Concen: 37.991 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Instrument :
BNA_F
ClientSampleId :
72-11938MSD

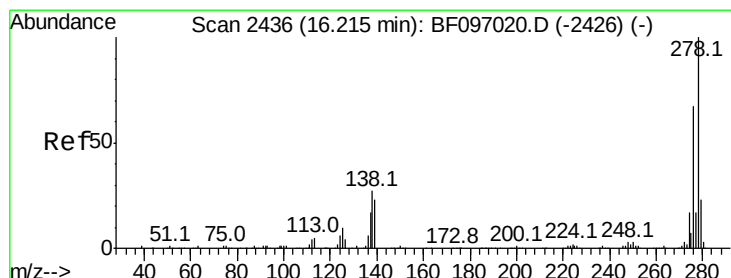
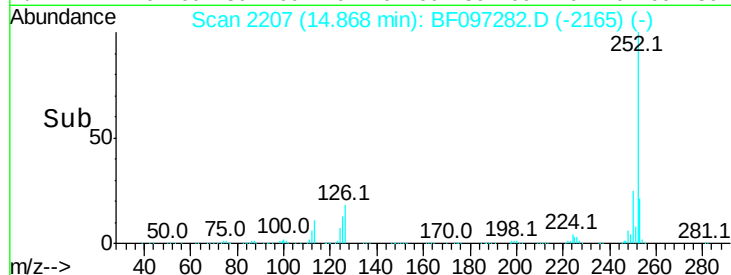
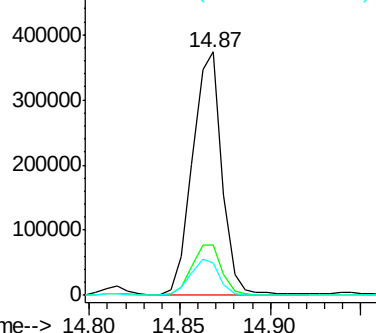
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.5	26.3
125	13.1	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:08 PM



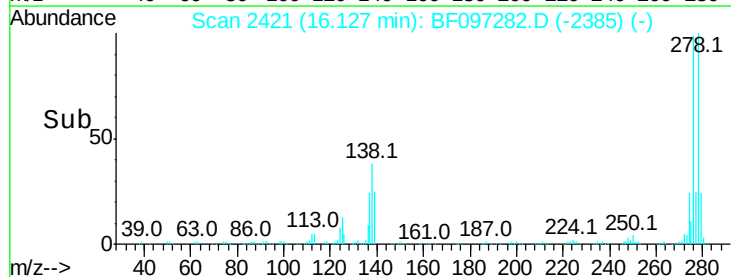
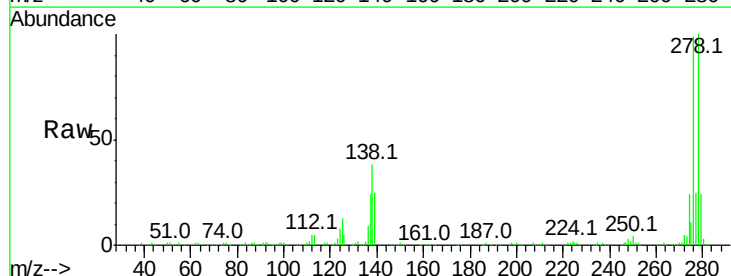
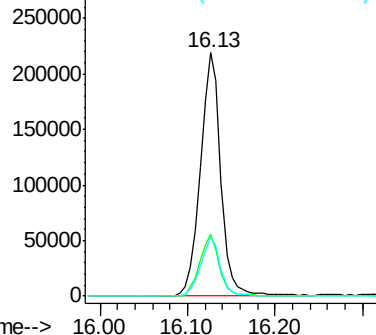
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

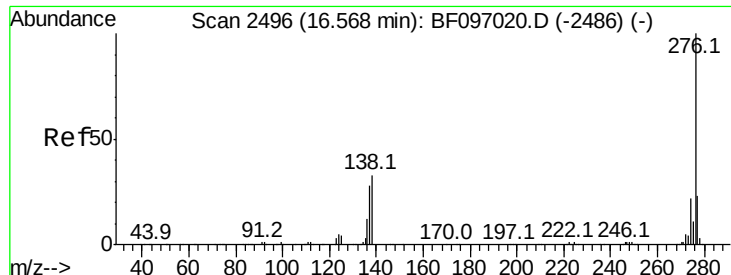


#90
Dibenzo(a,h)anthracene
Concen: 38.587 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.09 min
Lab File: BF097282.D
Acq: 2 Aug 2017 19:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	16.6	24.8#
279	24.4	19.3	28.9

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





#91
 Benzo(a,h,i)perylene
 Concen: 40.470 ng
 RT: 16.48 min Scan# 2481
 Delta R.T. -0.09 min
 Lab File: BF097282.D
 Acq: 2 Aug 2017 19:20

Instrument :
 BNA_F
 ClientSampleId :
 72-11938MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	32.0	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:08 PM

