

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097923.D
 Acq On : 21 Aug 2017 23:34
 Operator : SJ/JU
 Sample : I4890-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM

Quant Time: Aug 22 05:58:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	122058	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	481679	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	195028	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	322586	20.00	ng	0.00
75) Chrysene-d12	13.90	240	239297	20.00	ng	0.00
86) Perylene-d12	15.32	264	180650	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1077646	134.30	ng	0.02
7) Phenol-d6	6.40	99	1461949	134.09	ng	0.01
23) Nitrobenzene-d5	7.32	82	914832	103.18	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	218197	128.94	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1212054	91.31	ng	0.00
78) Terphenyl-d14	12.85	244	826900	72.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	165919	37.075	ng	92
3) Pyridine	3.21	79	460420	37.216	ng	88
4) n-Nitrosodimethylamine	3.15	42	205217	43.110	ng	81
6) Aniline	6.42	93	569952	37.212	ng	# 91
8) 2-Chlorophenol	6.54	128	375970	44.427	ng	97
9) Benzaldehyde	6.30	77	282552	40.914	ng	88
10) Phenol	6.41	94	582950	45.716	ng	90
11) bis(2-Chloroethyl)ether	6.49	93	422506	43.899	ng	97
12) 1,3-Dichlorobenzene	6.69	146	370227	40.672	ng	# 93
13) 1,4-Dichlorobenzene	6.77	146	371798	40.160	ng	# 93
14) 1,2-Dichlorobenzene	6.92	146	345756	40.503	ng	98
15) Benzyl Alcohol	6.90	79	368638	45.160	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	550995	42.550	ng	90
17) 2-Methylphenol	7.01	107	342826	45.970	ng	96
18) Hexachloroethane	7.26	117	128001	35.265	ng	# 82
19) n-Nitroso-di-n-propylamine	7.17	70	302113	40.478	ng	90
20) 3+4-Methylphenols	7.16	107	397033	43.588	ng	94
22) Acetophenone	7.16	105	538977	42.356	ng	# 91
24) Nitrobenzene	7.34	77	478340	48.452	ng	96
25) Isophorone	7.58	82	849043	46.051	ng	97
26) 2-Nitrophenol	7.65	139	174008	48.579	ng	# 77
27) 2,4-Dimethylphenol	7.69	122	339825	44.195	ng	93
28) bis(2-Chloroethoxy)methane	7.79	93	539903	44.542	ng	98
29) 2,4-Dichlorophenol	7.89	162	291475	45.666	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	295681	41.788	ng	97
31) Naphthalene	8.06	128	1042135	41.675	ng	100
32) Benzoic acid	7.78	122	42857	13.033	ng	91
33) 4-Chloroaniline	8.10	127	385395	36.544	ng	99
34) Hexachlorobutadiene	8.17	225	162663	39.373	ng	99
35) Caprolactam	8.48	113	104241m	48.039	ng	
36) 4-Chloro-3-methylphenol	8.59	107	354930	43.280	ng	# 78
37) 2-Methylnaphthalene	8.75	142	659910	43.044	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	267246	44.650	ng	98
40) Hexachlorocyclopentadiene	8.90	237	83253	28.953	ng	100

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097923.D
 Acq On : 21 Aug 2017 23:34
 Operator : SJ/JU
 Sample : I4890-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM

Quant Time: Aug 22 05:58:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.03	196	190483	47.403	nq	98
43) 2,4,5-Trichlorophenol	9.07	196	193545	48.549	nq	98
45) 1,1'-Biphenyl	9.21	154	760725	42.774	nq	96
46) 2-Chloronaphthalene	9.23	162	558488	42.501	nq #	91
47) 2-Nitroaniline	9.33	65	241958	54.924	nq	97
48) Acenaphthylene	9.65	152	890961	43.176	nq	99
49) Dimethylphthalate	9.52	163	957814	67.187	nq	99
50) 2,6-Dinitrotoluene	9.57	165	135789	47.719	nq #	48
51) Acenaphthene	9.82	154	528002	40.570	nq	99
52) 3-Nitroaniline	9.75	138	168175	45.807	nq	91
53) 2,4-Dinitrophenol	9.85	184	14790	19.683	nq #	79
54) Dibenzofuran	9.99	168	775397	44.454	nq	99
55) 4-Nitrophenol	9.91	139	235226	80.317	nq #	40
56) 2,4-Dinitrotoluene	9.97	165	169588	47.488	nq #	46
57) Fluorene	10.33	166	546841	40.550	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.11	232	146141	47.348	nq	96
59) Diethylphthalate	10.22	149	681659	45.724	nq	99
60) 4-Chlorophenyl-phenylether	10.33	204	263328	42.032	nq	91
61) 4-Nitroaniline	10.36	138	161019	46.145	nq #	71
62) Azobenzene	10.49	77	780476	44.074	nq	93
64) 4,6-Dinitro-2-methylphenol	10.38	198	15545	16.774	nq	87
65) n-Nitrosodiphenylamine	10.45	169	524860	47.780	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	158317	47.261	nq	98
67) Hexachlorobenzene	10.88	284	145785	42.697	nq #	88
68) Atrazine	10.97	200	140256	48.145	nq	98
69) Pentachlorophenol	11.07	266	150863	75.781	nq	100
70) Phenanthrene	11.29	178	730807	42.514	nq	100
71) Anthracene	11.35	178	755282	43.320	nq	99
72) Carbazole	11.50	167	723358	43.709	nq	98
73) Di-n-butylphthalate	11.83	149	936346	49.119	nq	99
74) Fluoranthene	12.47	202	724636	40.388	nq	99
76) Benzidine	12.60	184	649060	82.725	nq #	92
77) Pyrene	12.70	202	748735	38.256	nq	98
79) Butylbenzylphthalate	13.33	149	353968	47.172	nq #	69
80) Benzo(a)anthracene	13.89	228	583191	40.663	nq	98
81) 3,3'-Dichlorobenzidine	13.86	252	242969	50.204	nq #	95
82) Chrysene	13.93	228	579242	40.600	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	424467	51.048	nq #	100
84) Di-n-octyl phthalate	14.50	149	825781	57.077	nq	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	423314	40.334	nq	93
87) Benzo(b)fluoranthene	14.92	252	507452	44.564	nq	98
88) Benzo(k)fluoranthene	14.94	252	478475	44.725	nq #	93
89) Benzo(a)pyrene	15.26	252	460601	45.692	nq	97
90) Dibenzo(a,h)anthracene	16.72	278	349144	42.544	nq	98
91) Benzo(g,h,i)perylene	17.12	276	333229	38.915	nq	93

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

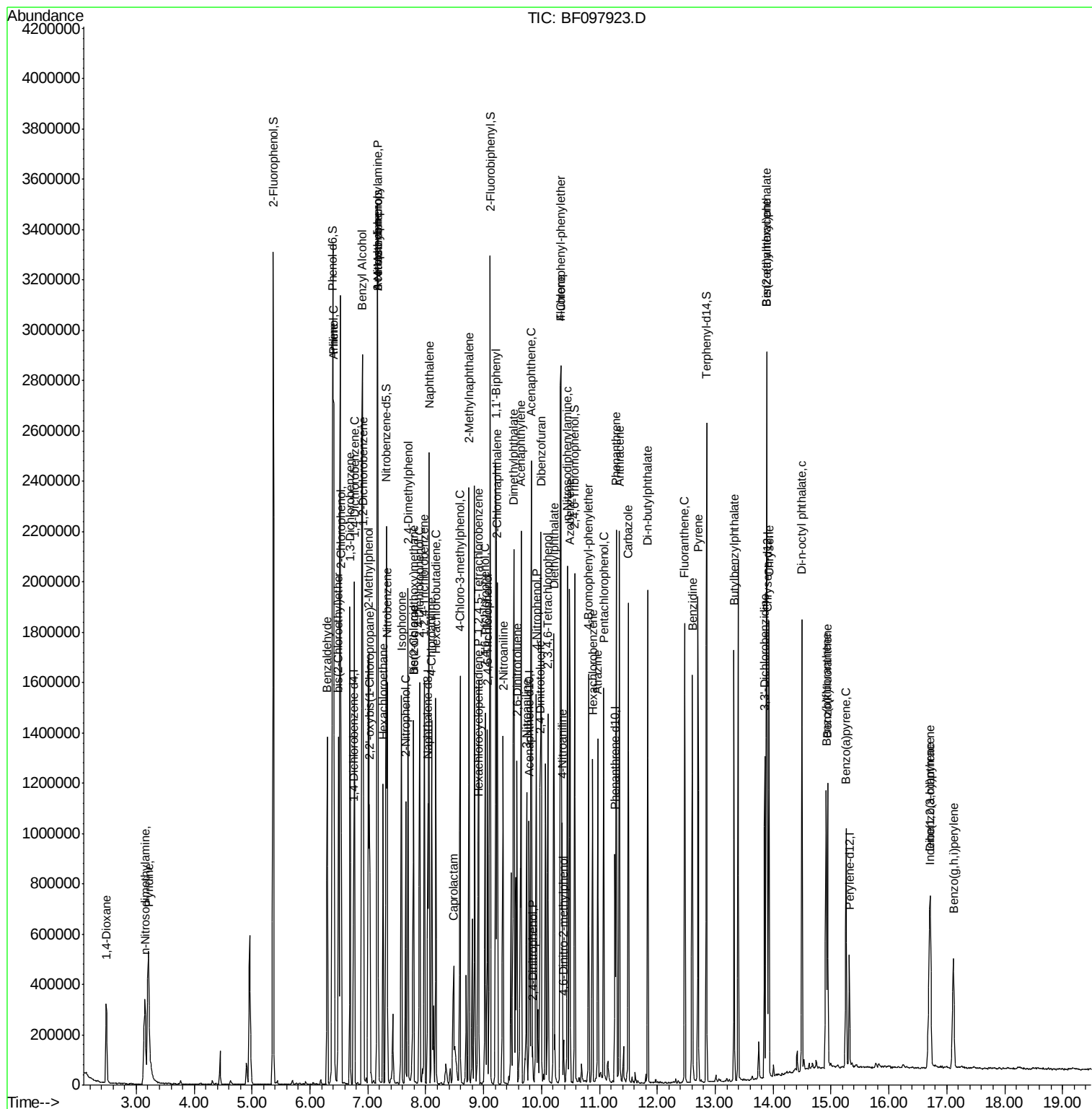
```
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\  
Data File : BF097923.D  
Acq On    : 21 Aug 2017   23:34  
Operator  : SJ/JU  
Sample    : I4890-01MSD  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
```

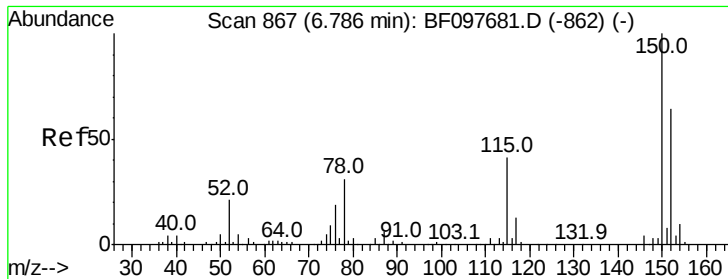
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Manual Integrations APPROVED

Sohil
8/22/2017 5:44:45 PM

Quant Time: Aug 22 05:58:14 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration





#1

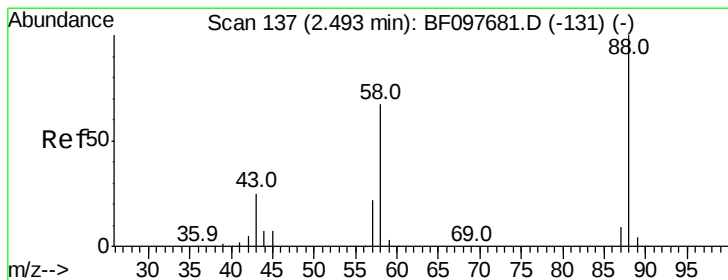
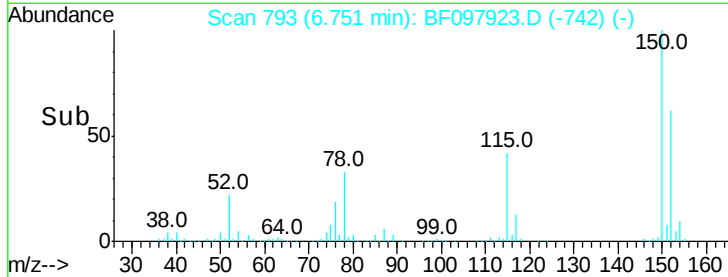
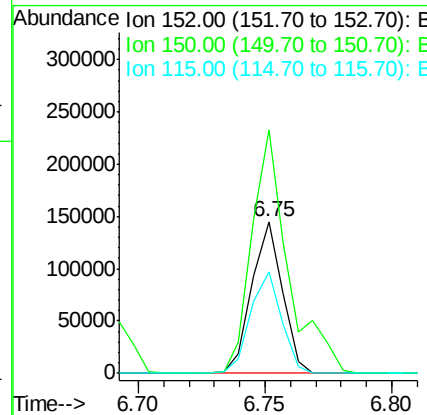
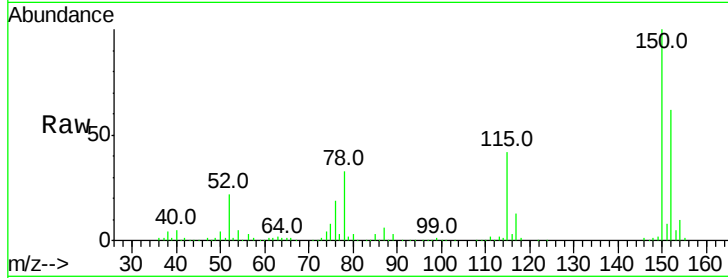
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	66.7	52.2	78.2

Manual Integrations
APPROVED

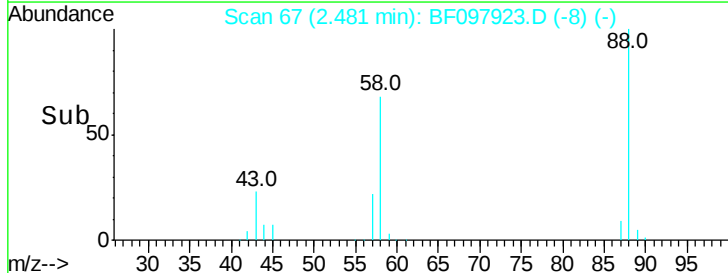
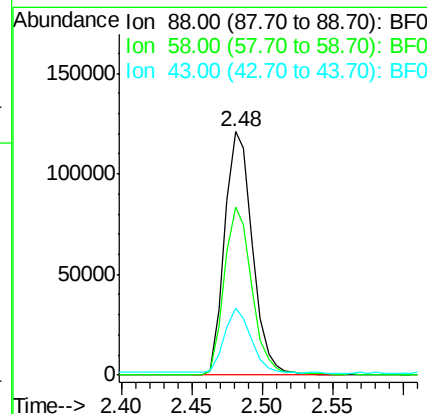
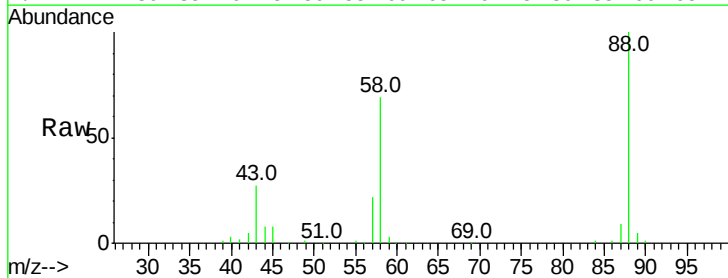
Sohil
8/22/2017 5:44:45 PM

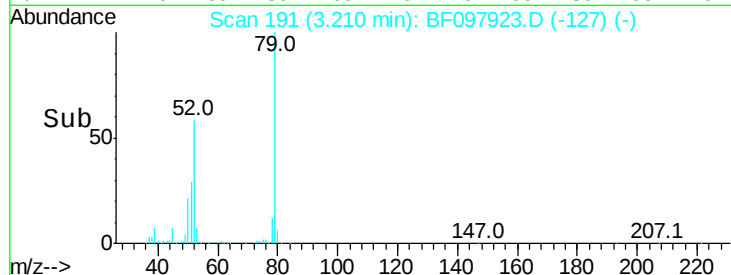
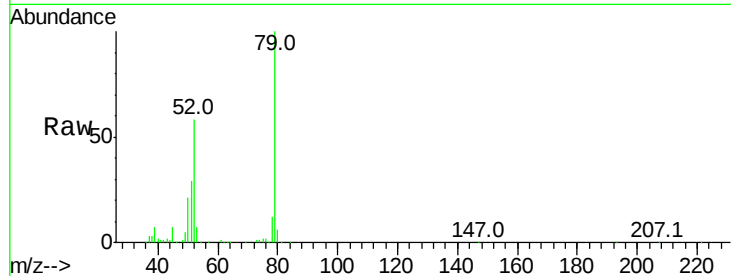
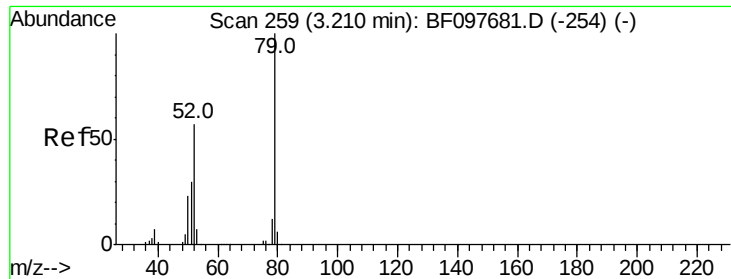


#2

1,4-Dioxane
Concen: 37.075 ng
RT: 2.48 min Scan# 67
Delta R.T. 0.05 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	61.4	92.0
43	26.6	23.4	35.0





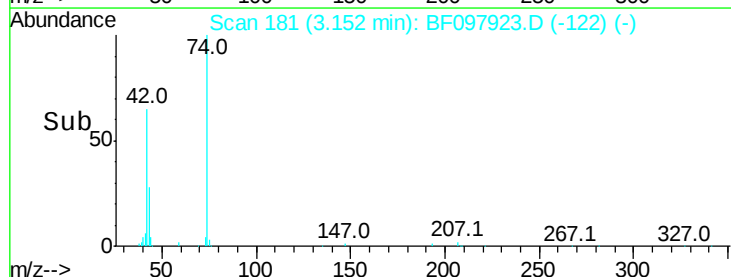
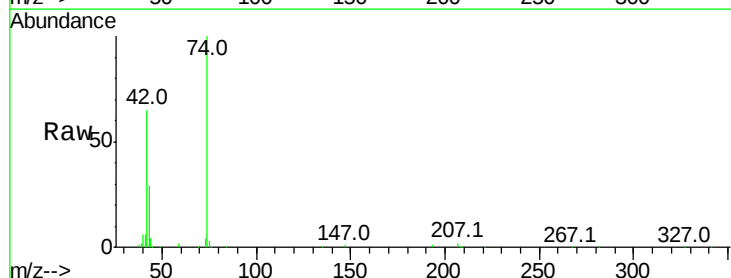
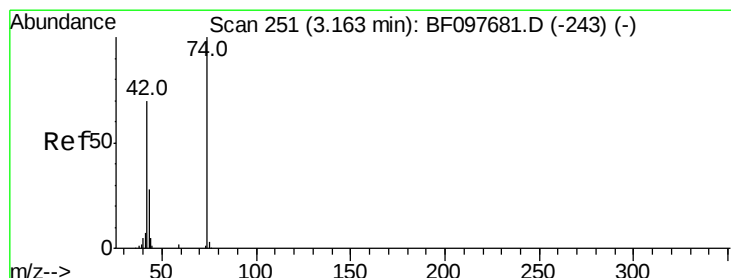
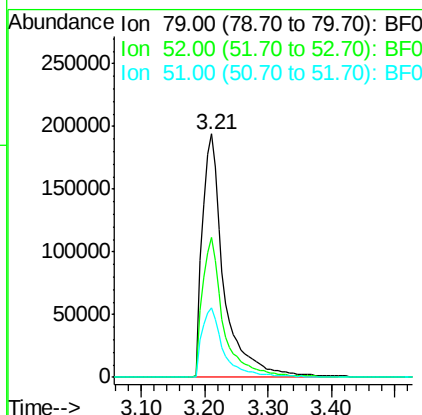
#3
 Pvrindine
 Concen: 37.216 ng
 RT: 3.21 min Scan# 191
 Delta R.T. 0.08 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.5	54.8	82.2
51	28.5	27.0	40.4

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

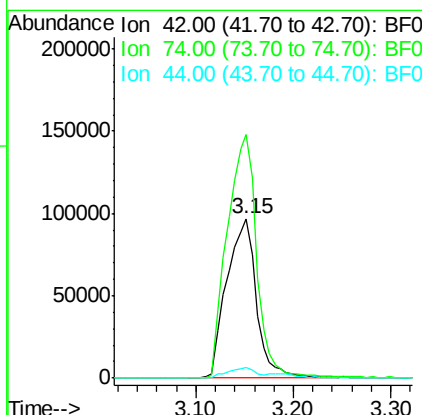
Manual Integrations
 APPROVED

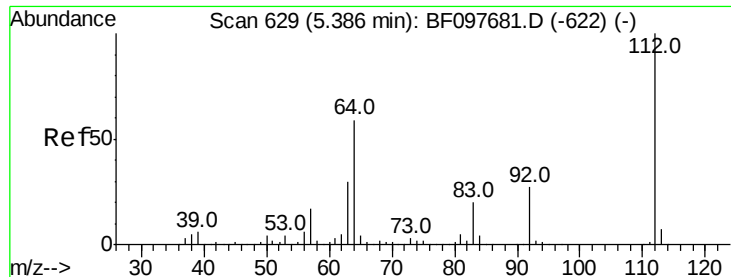
Sohil
 8/22/2017 5:44:45 PM



#4
 n-Nitrosodimethylamine
 Concen: 43.110 ng
 RT: 3.15 min Scan# 181
 Delta R.T. 0.05 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.7	103.9	155.9
44	6.4	5.7	8.5





#5

2-Fluorophenol

Concen: 134.295 ng

RT: 5.37 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:112 Resp: 1077646

Ion Ratio Lower Upper

112 100

64 60.5 46.0 69.0

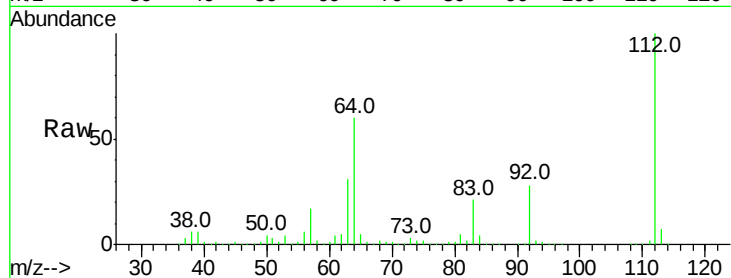
63 30.6 23.4 35.0

Manual Integrations

APPROVED

Sohil

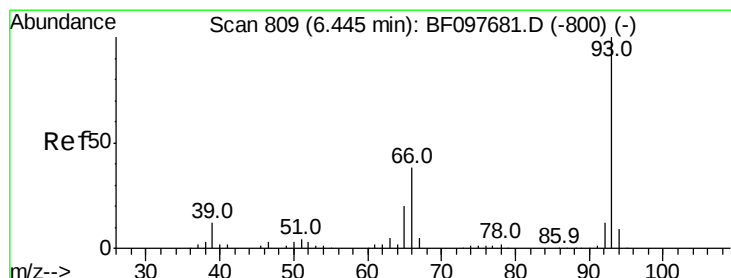
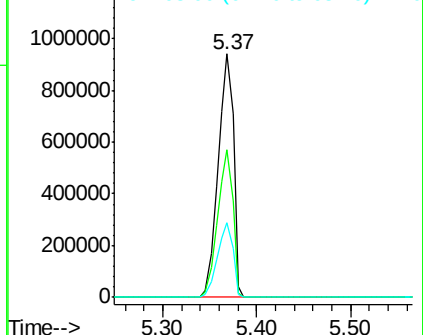
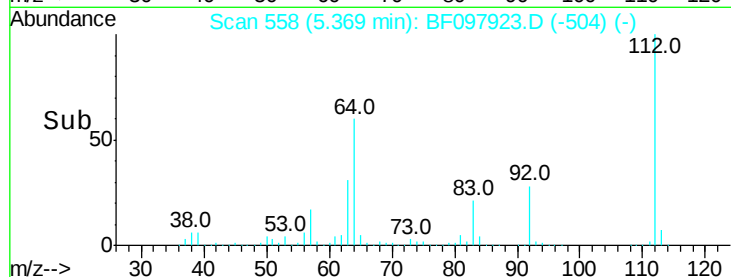
8/22/2017 5:44:45 PM



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



#6

Aniline

Concen: 37.212 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

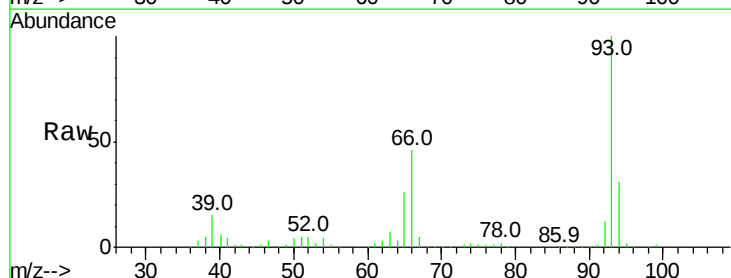
Tgt Ion: 93 Resp: 569952

Ion Ratio Lower Upper

93 100

66 45.9 32.9 49.3

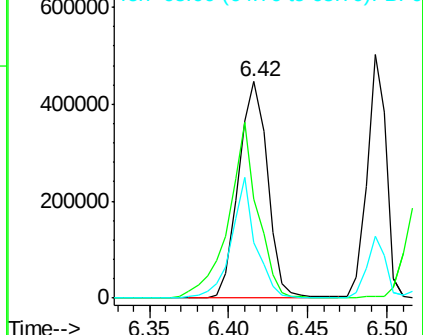
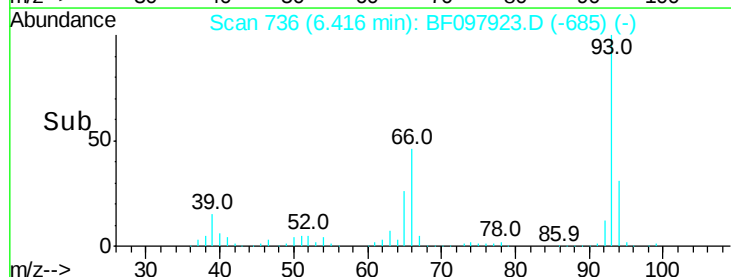
65 25.6 16.0 24.0#

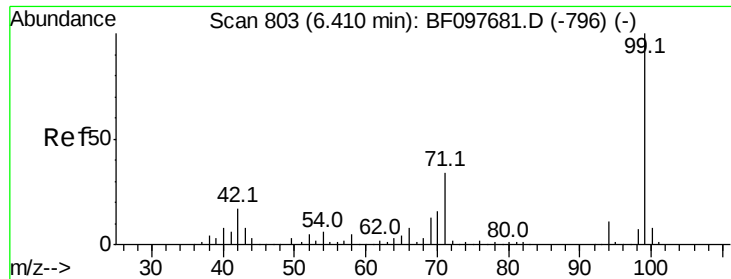


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.088 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion: 99 Resp: 1461949

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

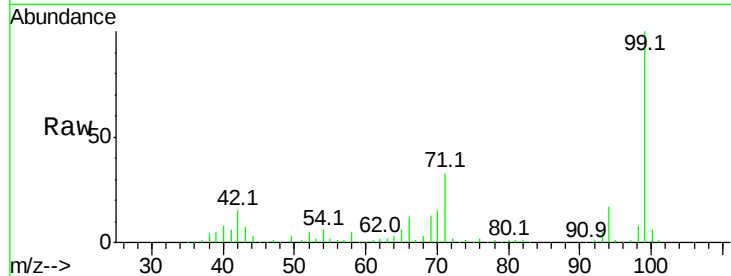
71 32.9 24.5 36.7

Manual Integrations

APPROVED

Sohil

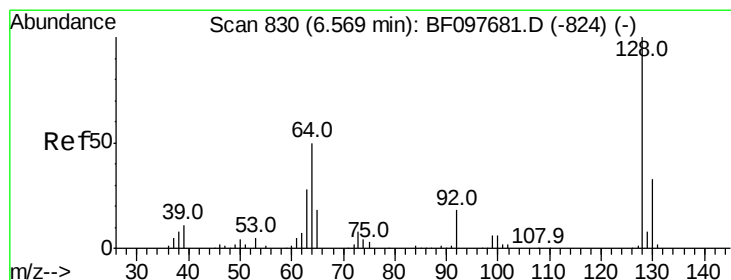
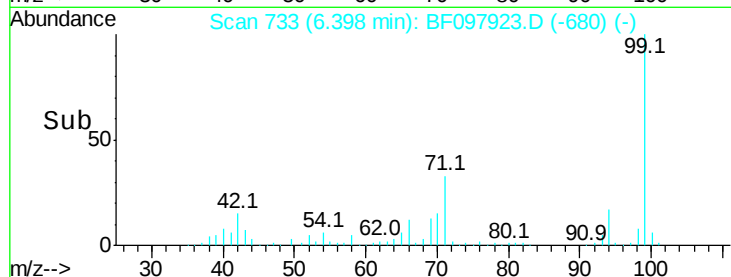
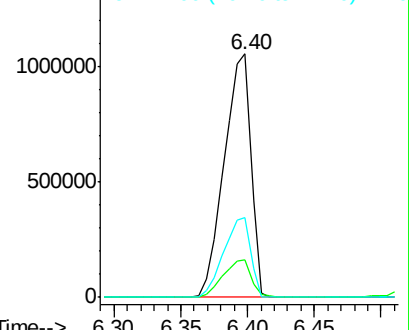
8/22/2017 5:44:45 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 44.427 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

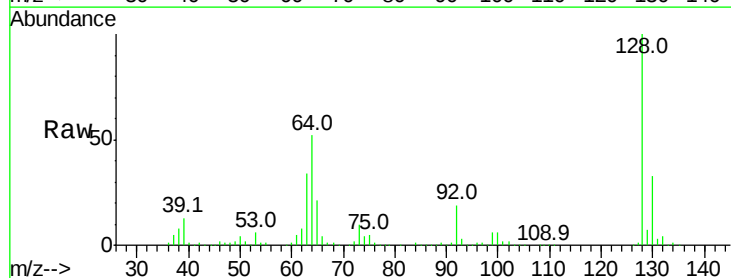
Tgt Ion:128 Resp: 375970

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

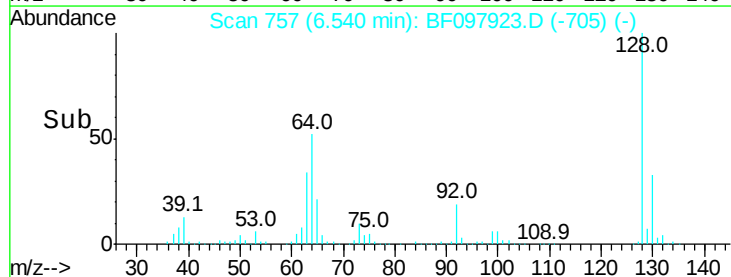
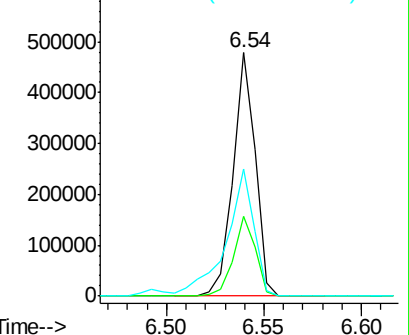
64 52.0 28.4 68.4

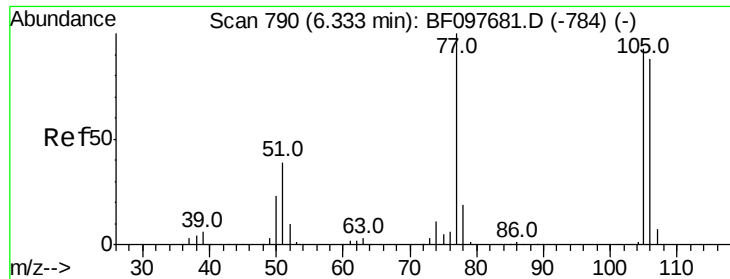


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 40.914 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

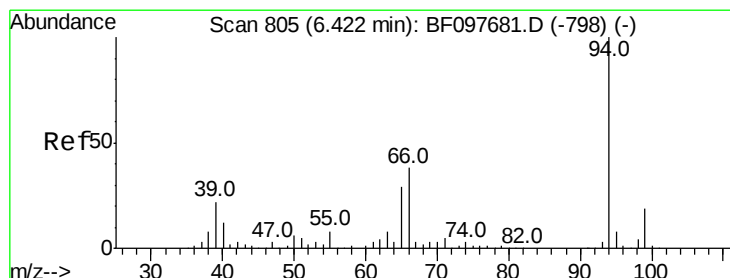
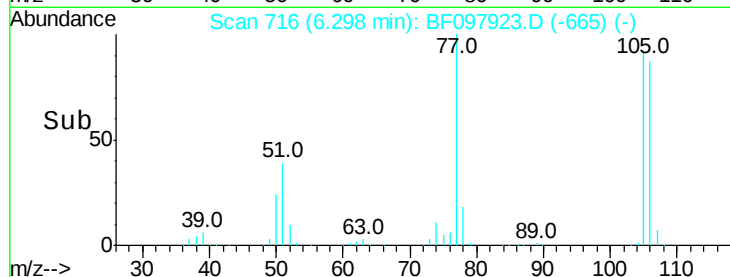
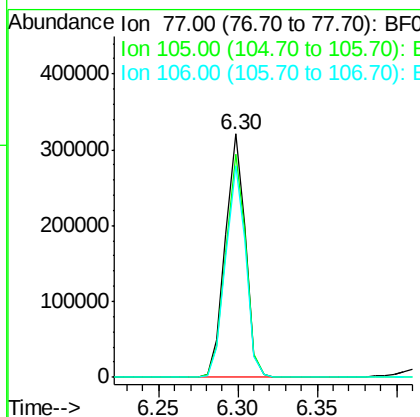
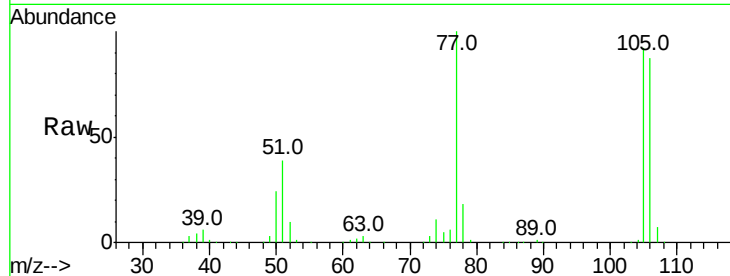
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	77	Resp:	282552
Ion Ratio	Lower	Upper	
77	100		
105	91.8	83.8	123.8
106	86.9	79.1	119.1

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#10

Phenol

Concen: 45.716 ng

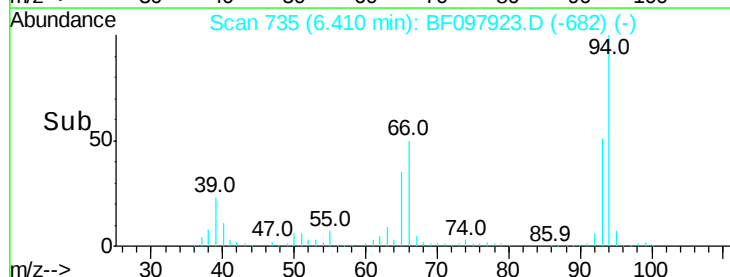
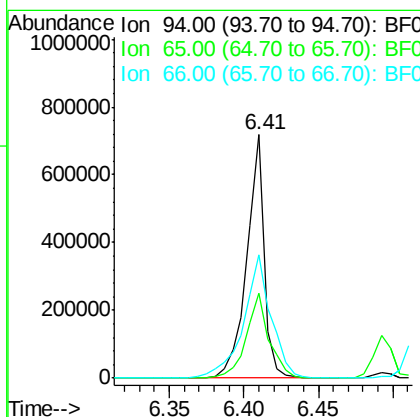
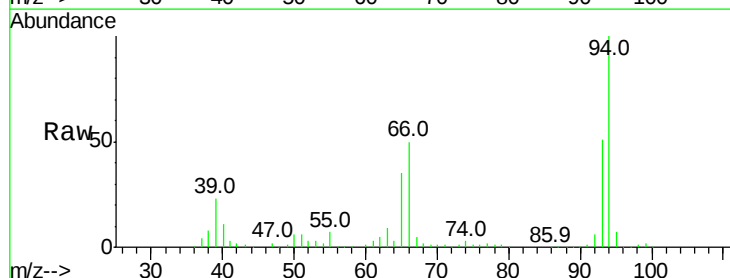
RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	94	Resp:	582950
Ion Ratio	Lower	Upper	
94	100		
65	34.8	9.9	49.9
66	50.5	23.1	63.1





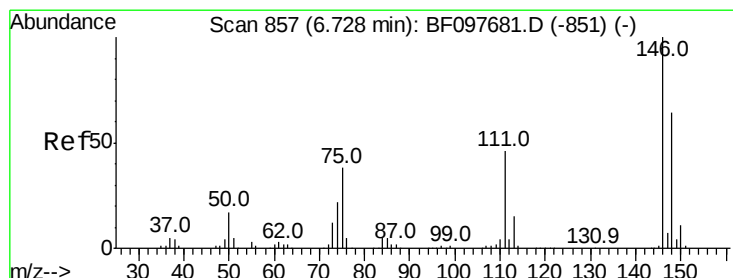
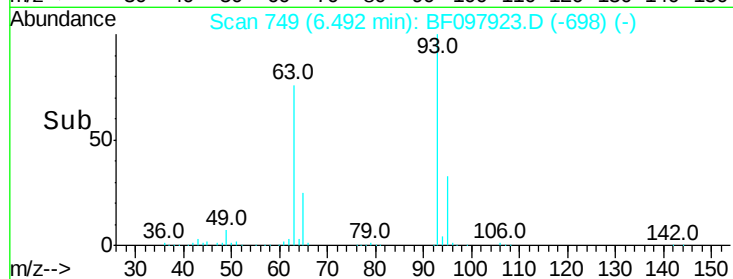
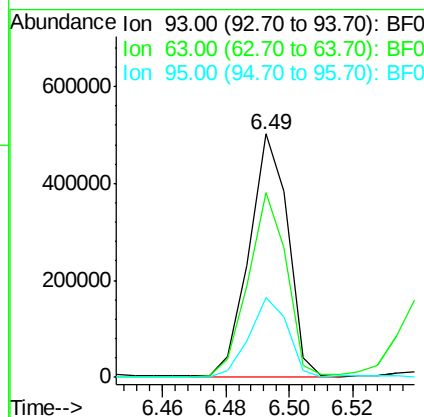
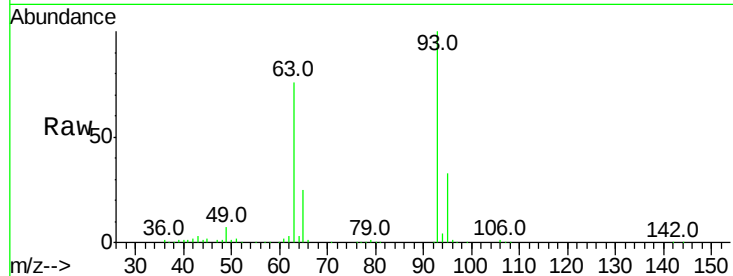
#11
bis(2-Chloroethyl)ether
Concen: 43.899 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.1	59.2	99.2
95	33.0	12.8	52.8

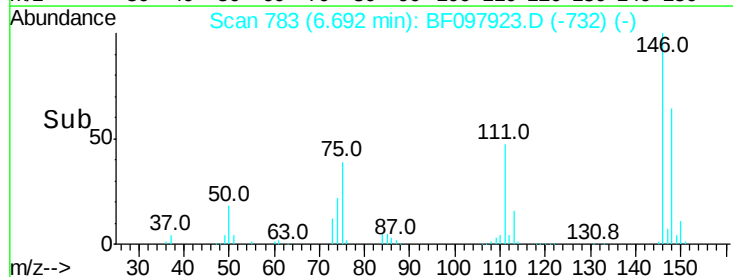
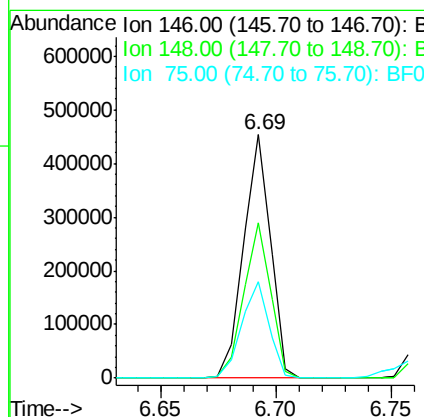
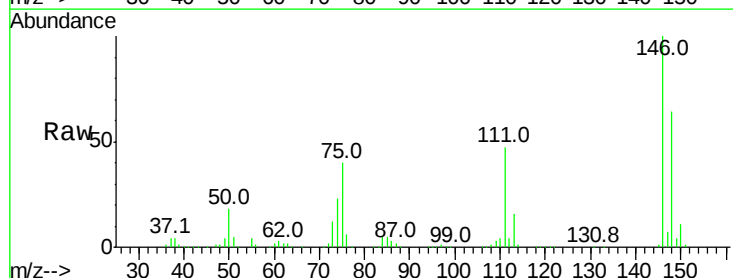
Manual Integrations
APPROVED

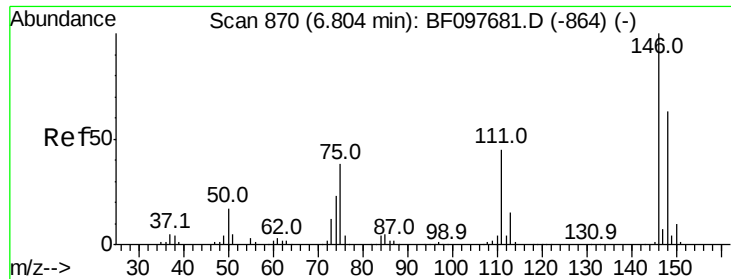
Sohil
8/22/2017 5:44:45 PM



#12
1,3-Dichlorobenzene
Concen: 40.672 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.6
75	39.9	23.1	34.7#





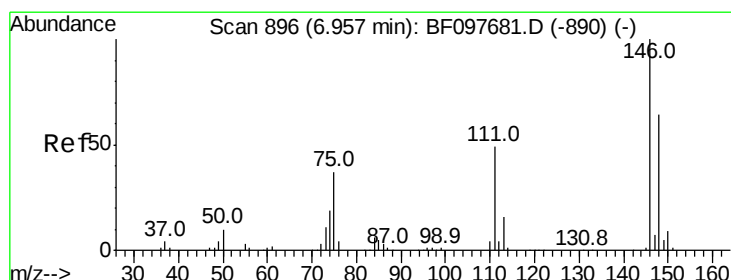
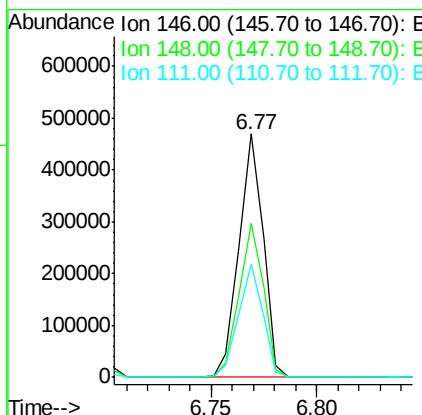
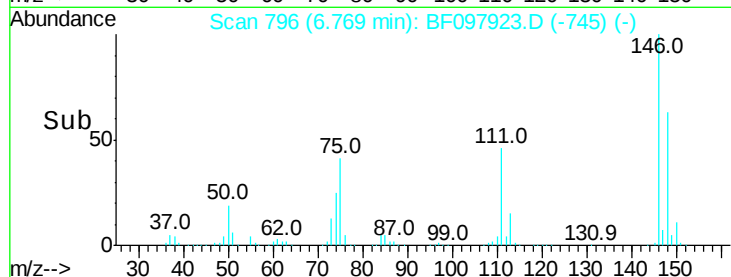
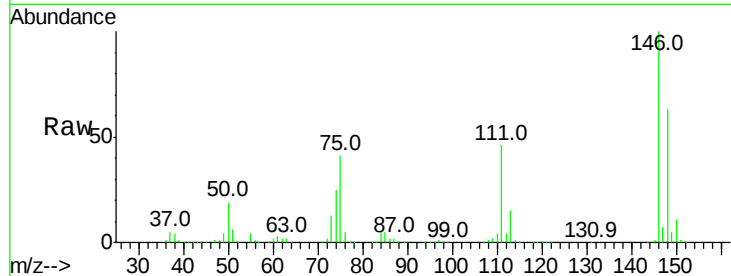
#13
 1,4-Dichlorobenzene
 Concen: 40.160 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.2	78.2
111	46.5	30.3	45.5

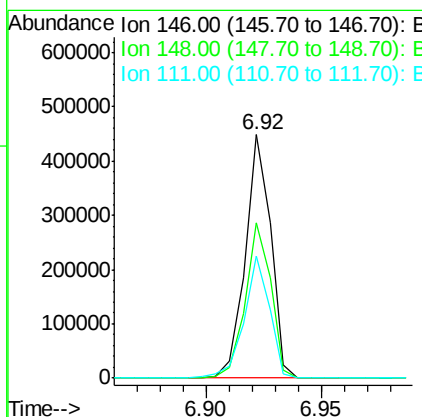
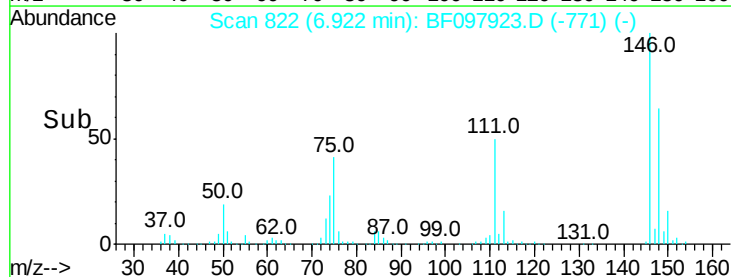
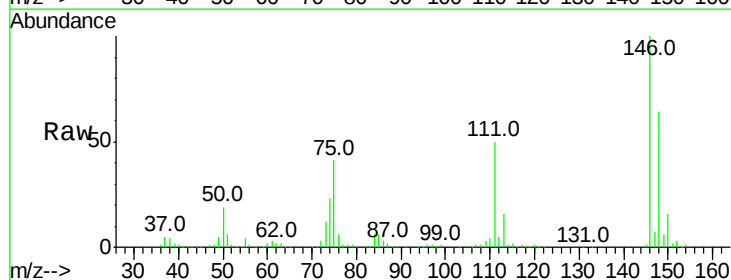
Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.503 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	49.9	38.2	57.4





#15

Benzyl Alcohol

Concen: 45.160 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

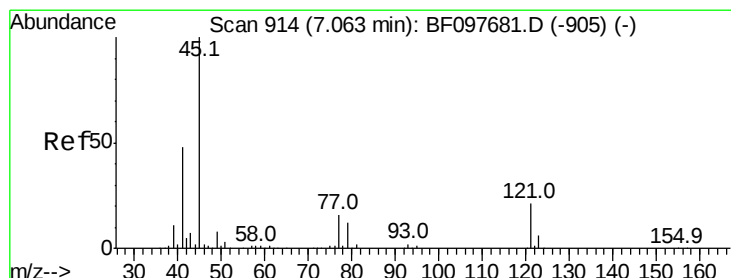
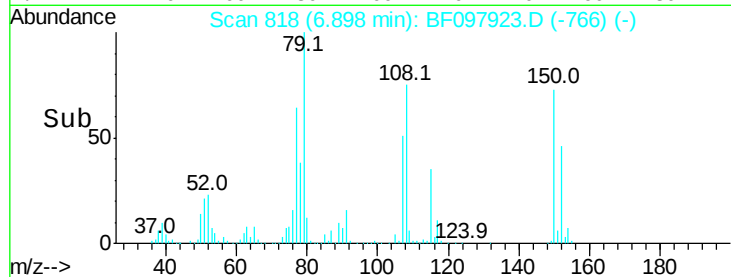
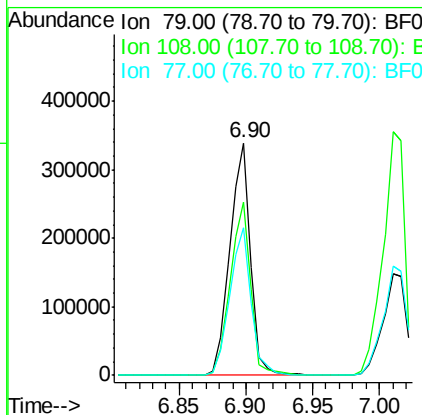
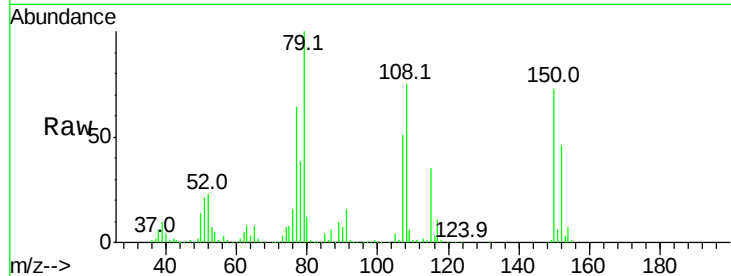
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	79	Resp:	368638
Ion Ratio	Lower	Upper	
79	100		
108	74.5	63.4	95.0
77	63.6	49.2	73.8

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.550 ng

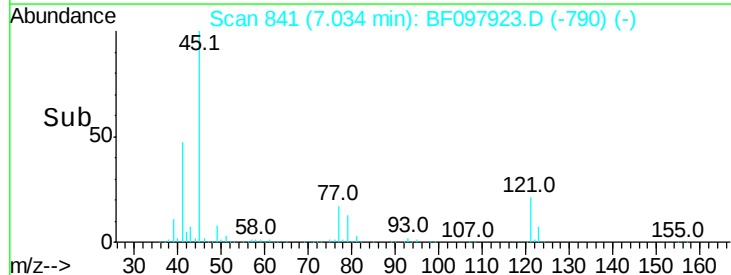
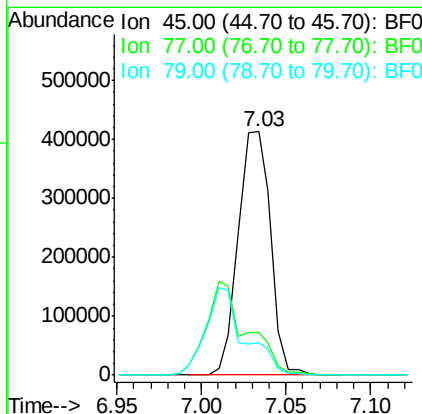
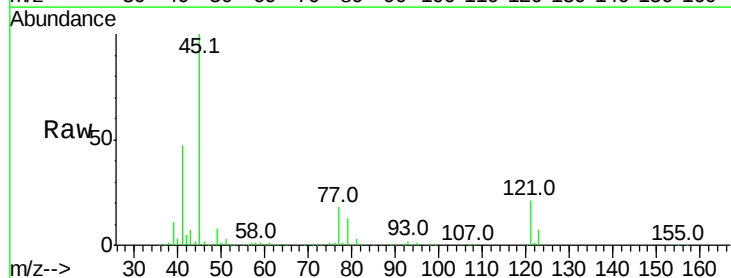
RT: 7.03 min Scan# 841

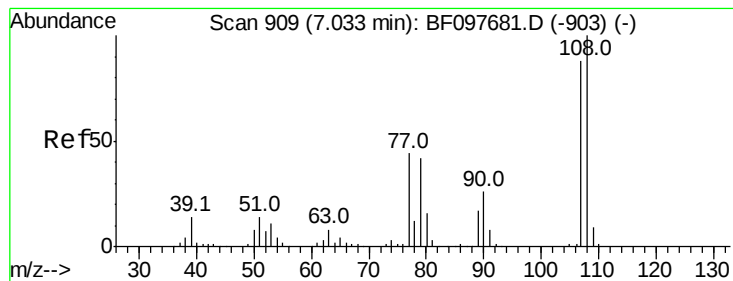
Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	45	Resp:	550995
Ion Ratio	Lower	Upper	
45	100		
77	17.5	0.0	33.2
79	13.1	0.0	30.0





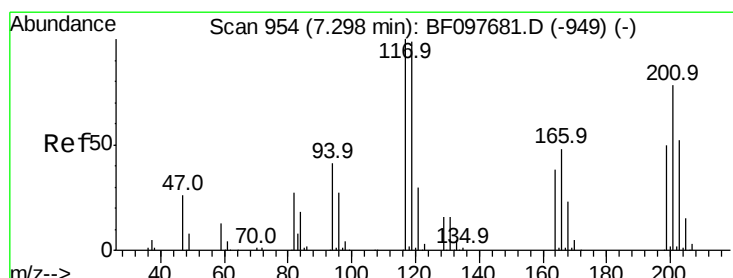
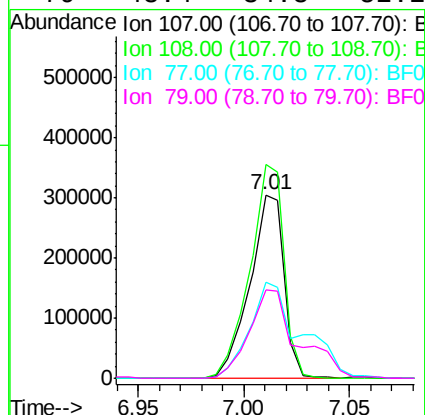
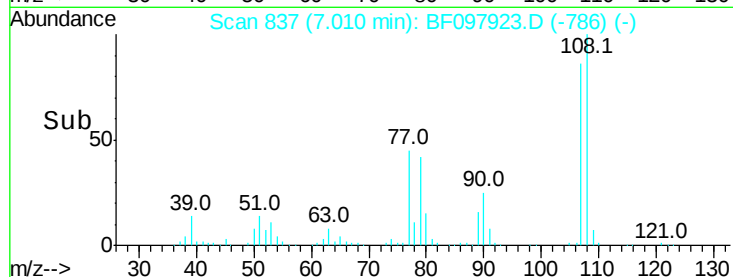
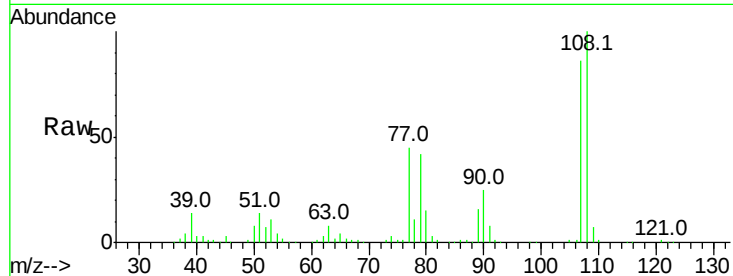
#17
2-Methylphenol
Concen: 45.970 ng
RT: 7.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.4	93.4	140.0
77	52.1	35.8	53.6
79	48.4	34.8	52.2

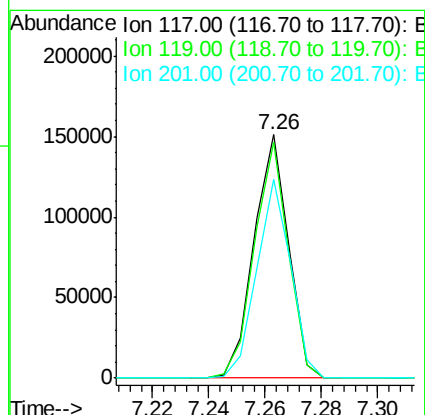
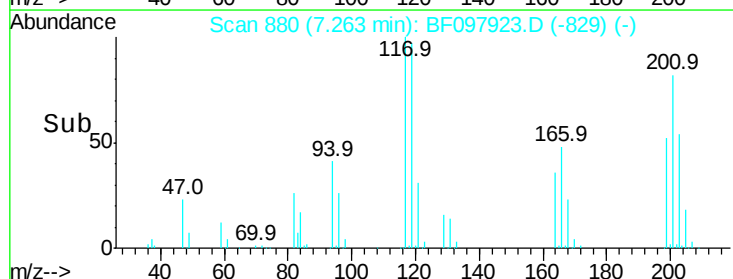
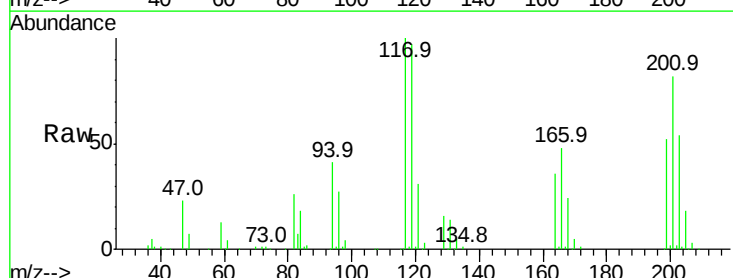
Manual Integrations
APPROVED

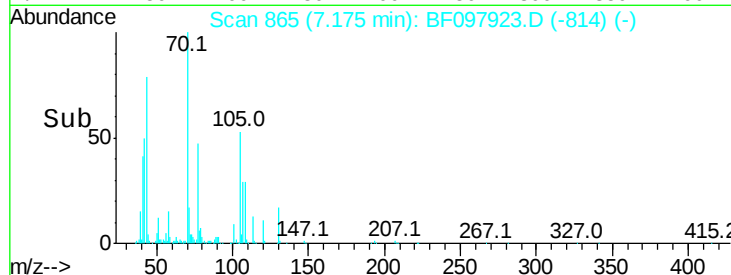
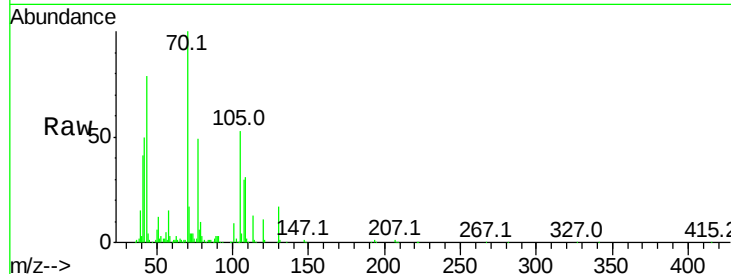
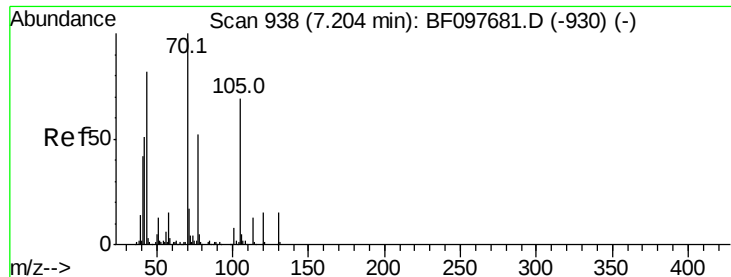
Sohil
8/22/2017 5:44:45 PM



#18
Hexachloroethane
Concen: 35.265 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
201	81.9	94.6	141.8#





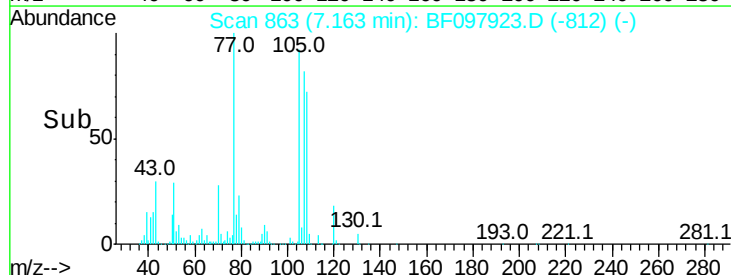
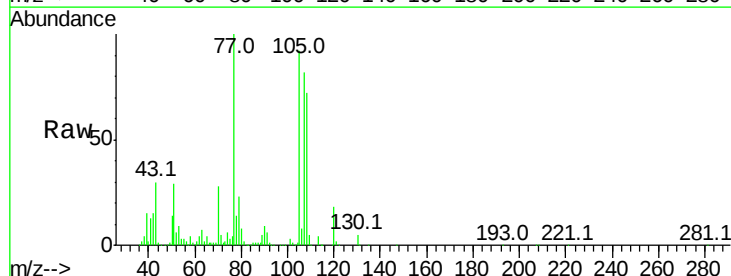
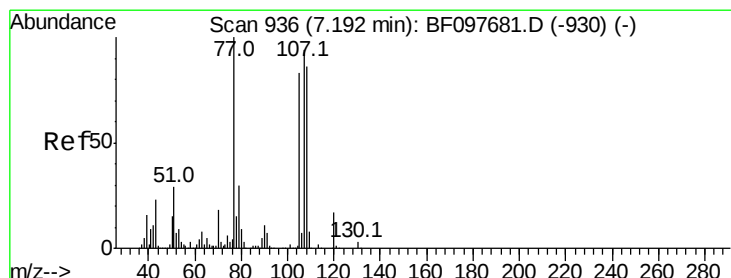
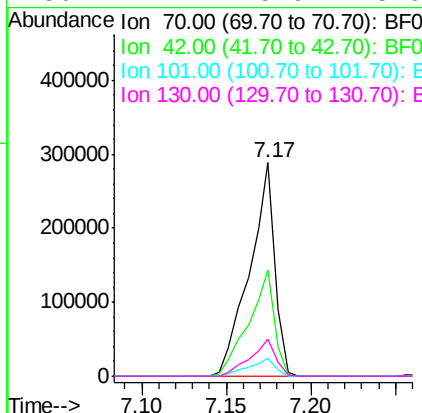
#19
n-Nitroso-di-n-propylamine
Concen: 40.478 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	49.9	47.2	70.8		
101	8.6	7.2	10.8		
130	17.4	15.9	23.9		

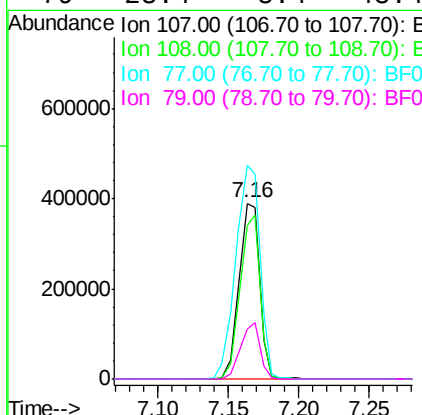
Manual Integrations
APPROVED

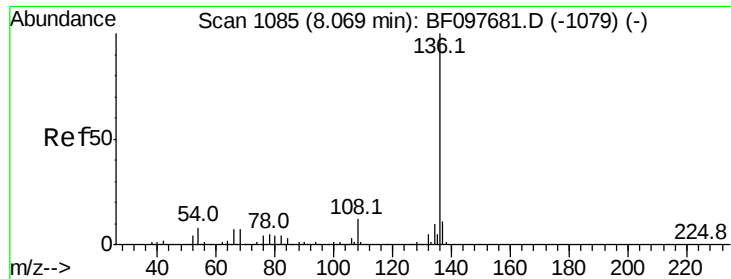
Sohil
8/22/2017 5:44:45 PM



#20
3+4-Methylphenols
Concen: 43.588 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.7	71.0	111.0		
77	121.8	90.5	130.5		
79	28.4	8.4	48.4		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

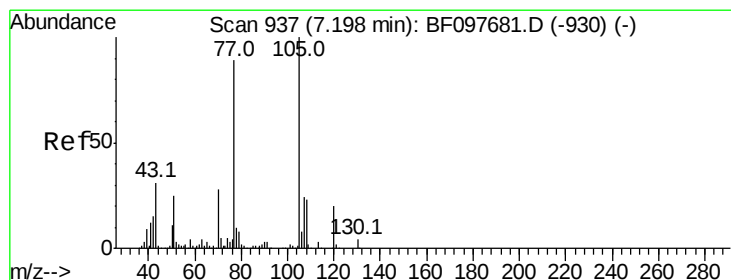
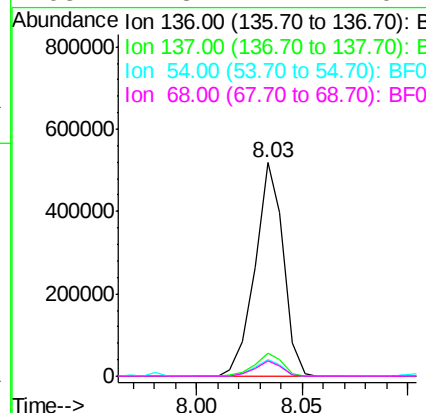
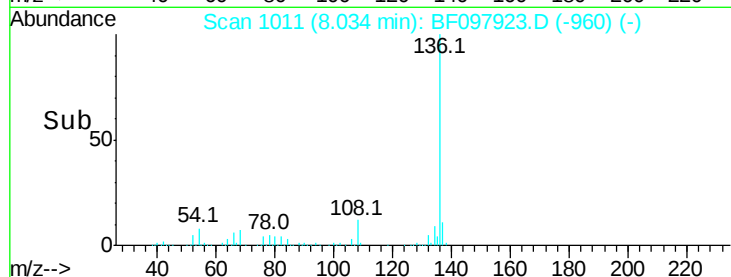
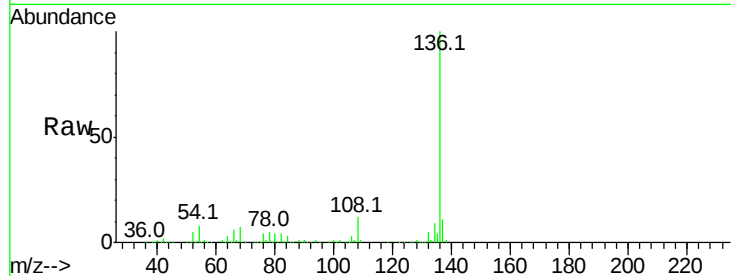
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	7.9	4.9	7.3#	
68	7.3	4.1	6.1#	

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#22

Acetophenone

Concen: 42.356 ng

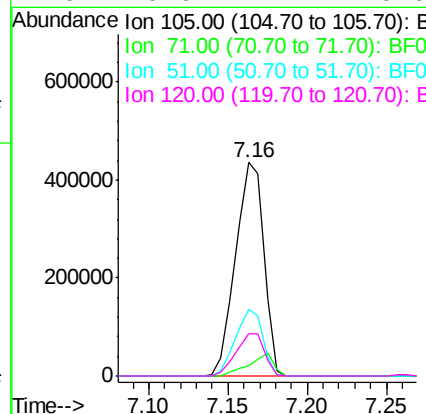
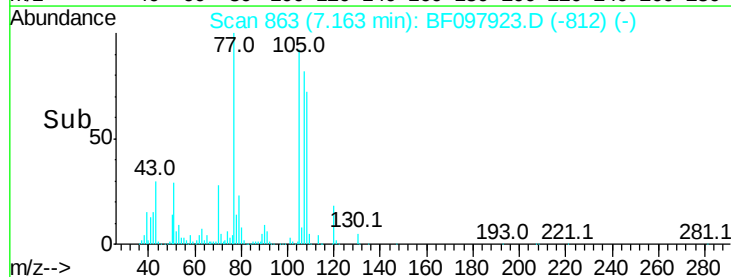
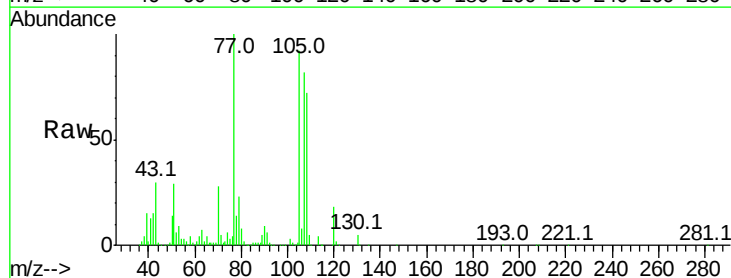
RT: 7.16 min Scan# 863

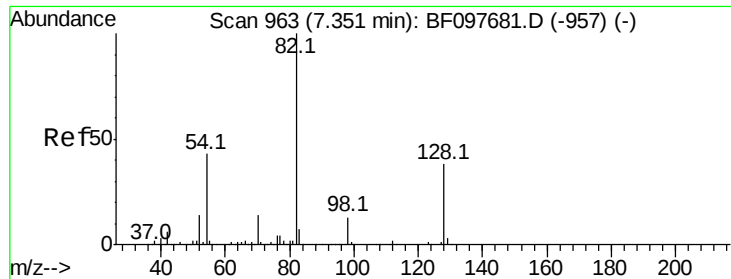
Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.0	2.8	4.2#	
51	31.0	30.7	46.1	
120	19.9	17.4	26.0	





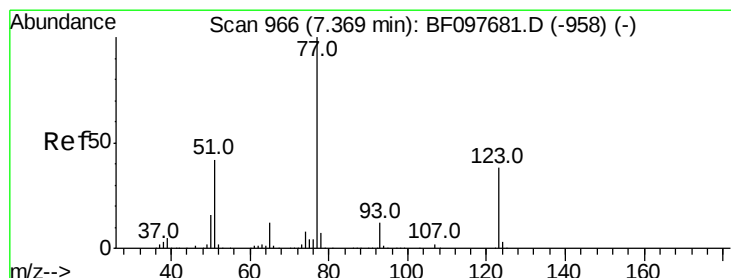
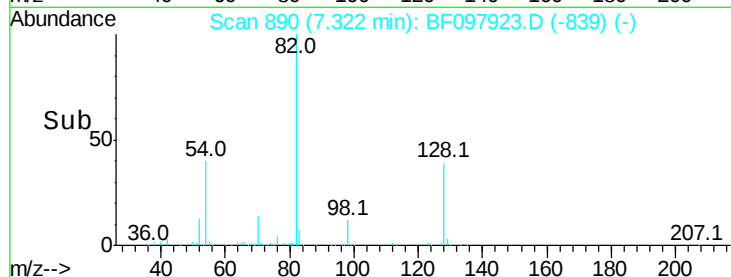
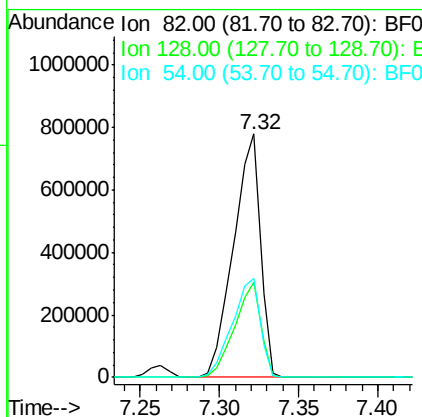
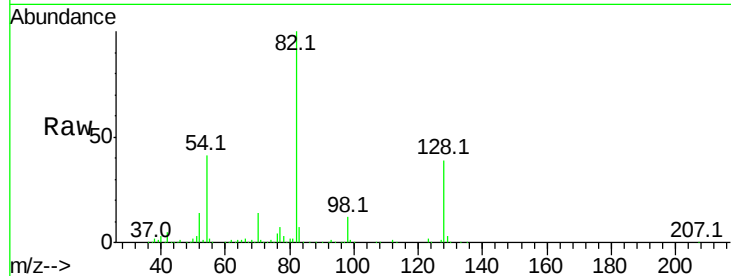
#23
 Nitrobenzene-d5
 Concen: 103.176 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.2	34.0	51.0
54	40.5	42.2	63.2#

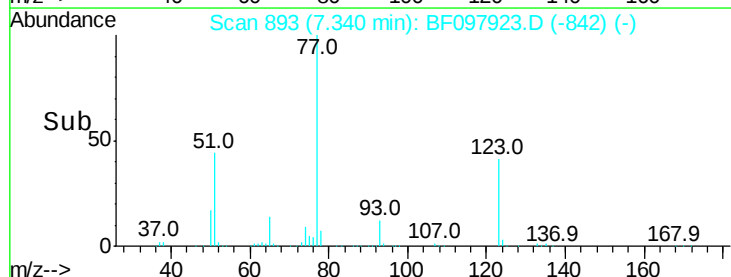
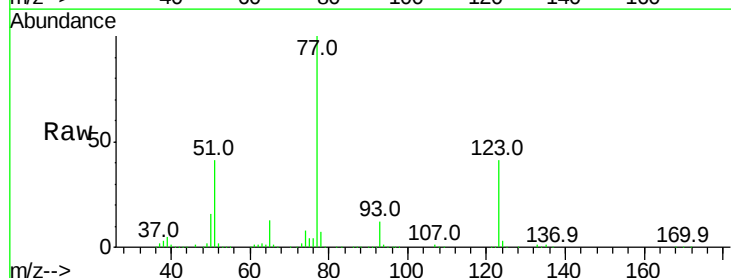
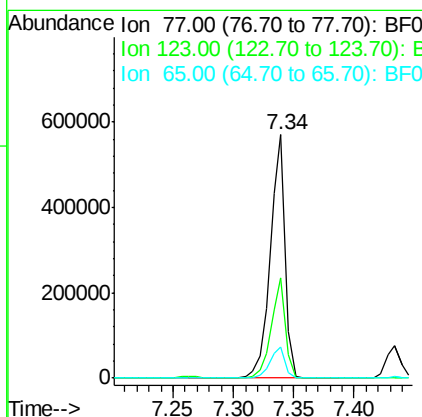
Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM



#24
 Nitrobenzene
 Concen: 48.452 ng
 RT: 7.34 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.4	35.8	53.8
65	12.9	10.6	15.8





#25

Isophorone

Concen: 46.051 ng

RT: 7.58 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

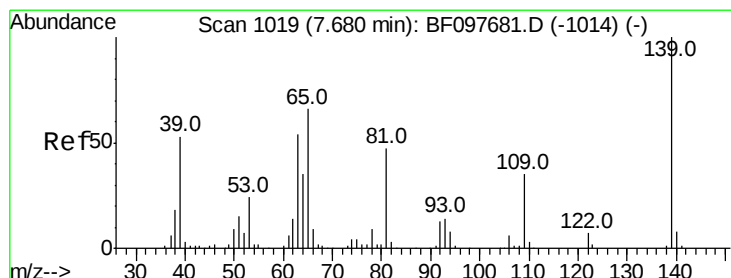
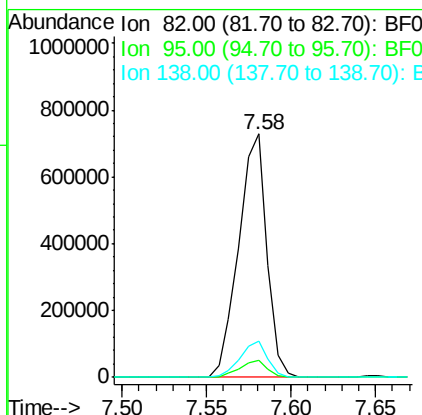
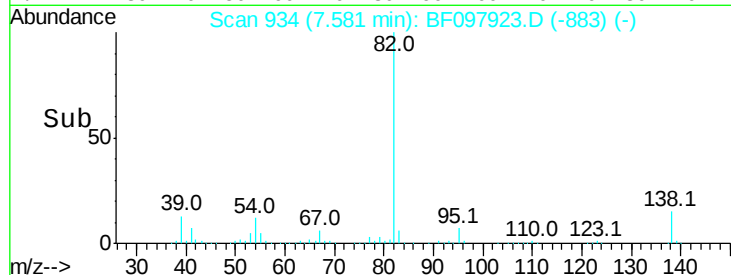
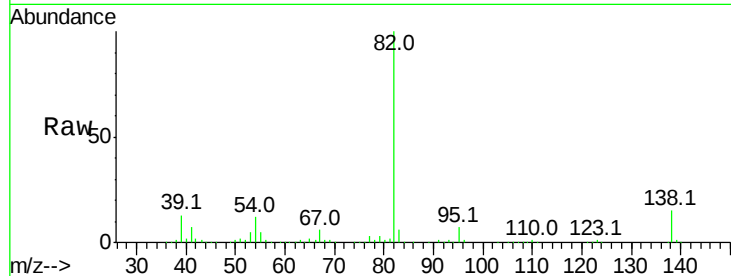
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	82	Resp:	849043
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.3	7.9
138	14.9	13.1	19.7

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#26

2-Nitrophenol

Concen: 48.579 ng

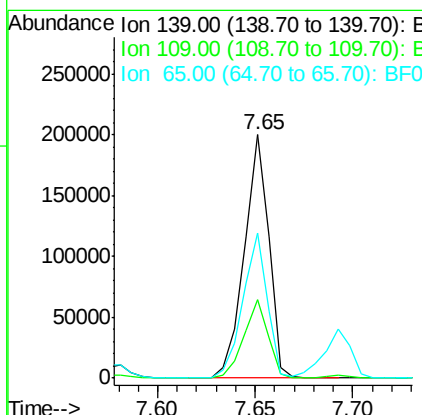
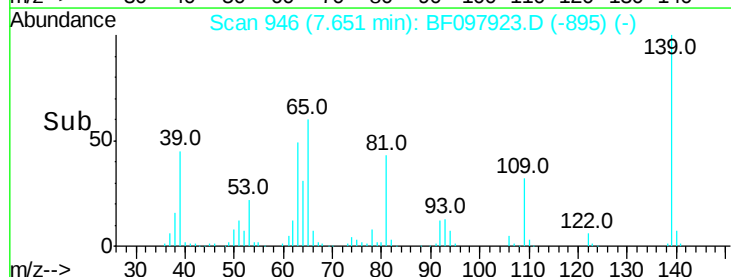
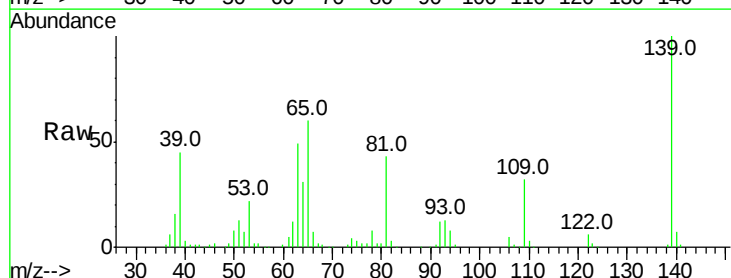
RT: 7.65 min Scan# 946

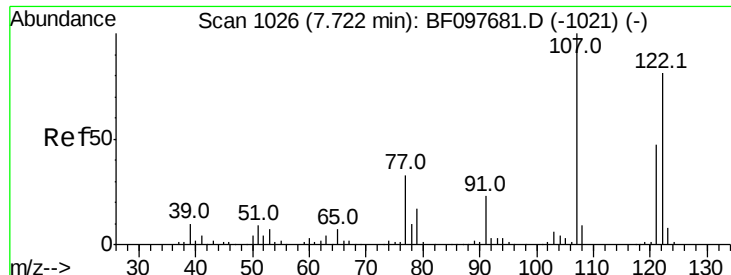
Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	139	Resp:	174008
Ion Ratio	Lower	Upper	
139	100		
109	32.3	21.0	31.6#
65	59.8	33.0	49.6#





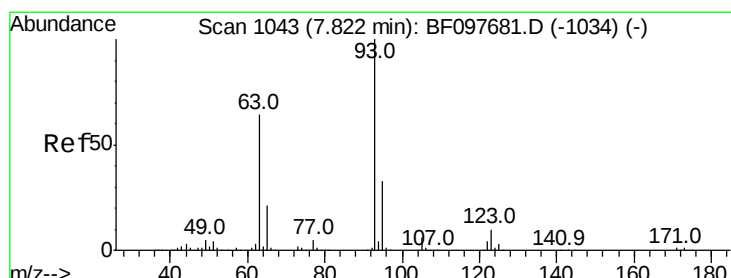
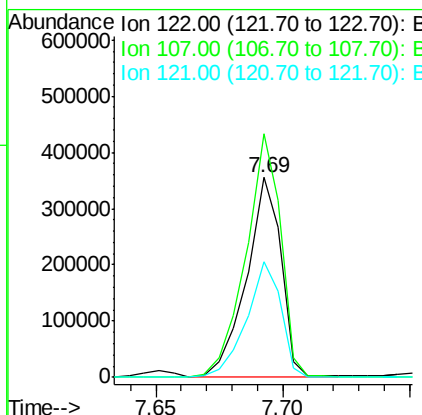
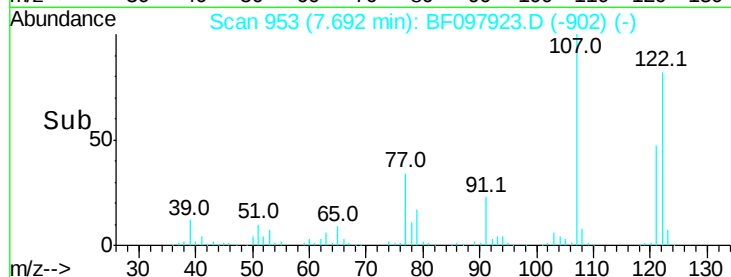
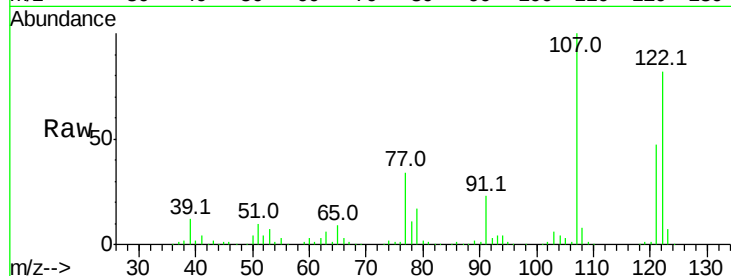
#27
 2,4-Dimethylphenol
 Concen: 44.195 ng
 RT: 7.69 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:	122	Resp:	339825
Ion Ratio	Lower	Upper	
122	100		
107	121.8	89.2	133.8
121	57.7	45.2	67.8

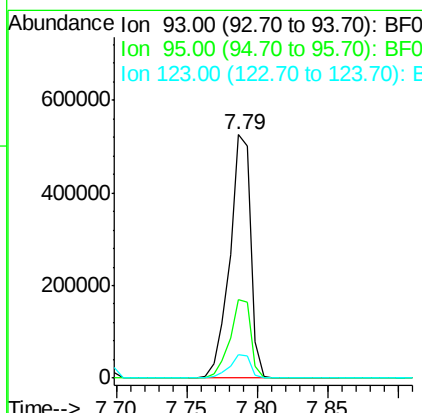
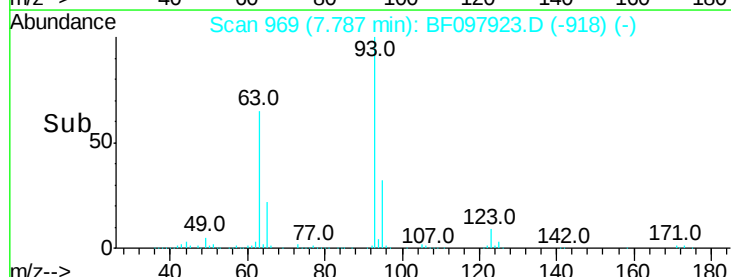
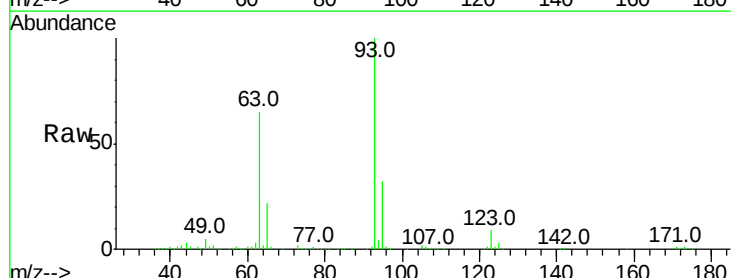
Manual Integrations
 APPROVED

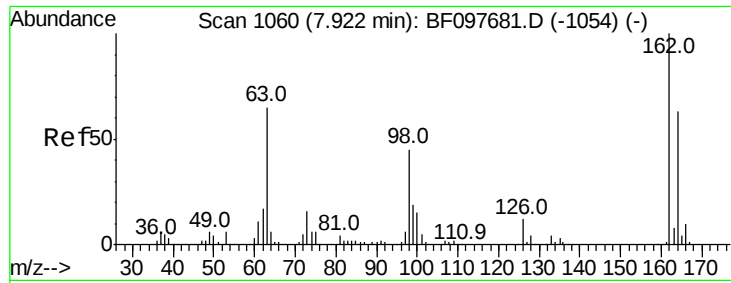
Sohil
 8/22/2017 5:44:45 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.542 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:	93	Resp:	539903
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.5	39.7
123	9.4	9.0	13.4





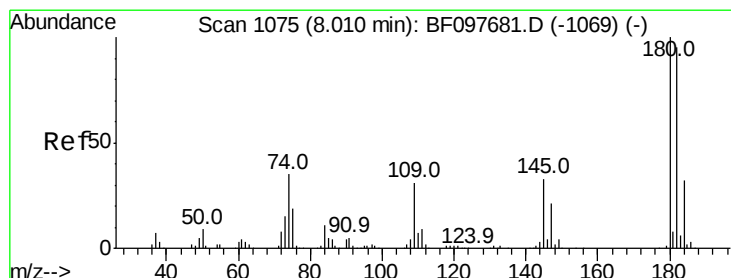
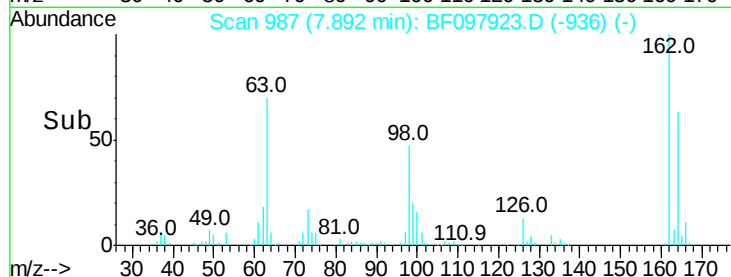
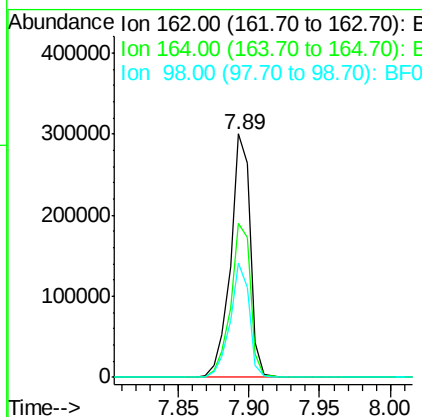
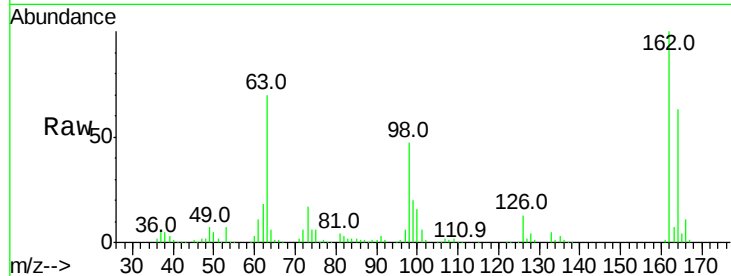
#29
 2,4-Dichlorophenol
 Concen: 45.666 ng
 RT: 7.89 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:	162	Resp:	291475
Ion Ratio	Lower	Upper	
162	100		
164	63.5	44.6	84.6
98	47.0	14.8	54.8

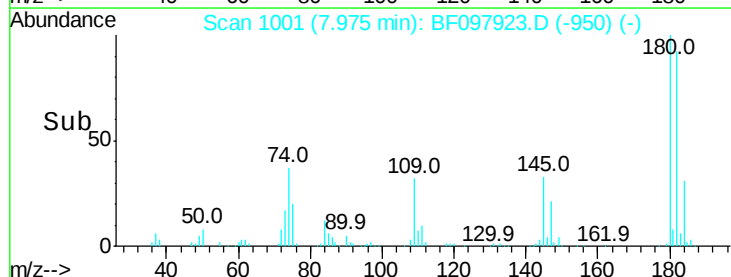
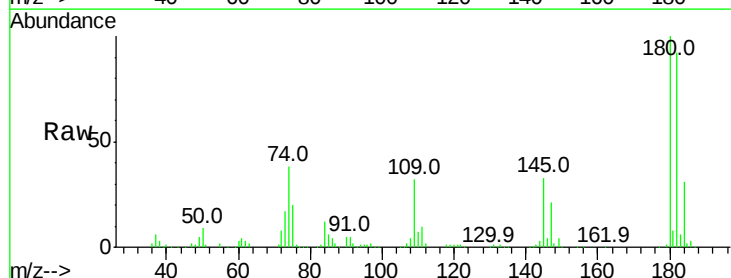
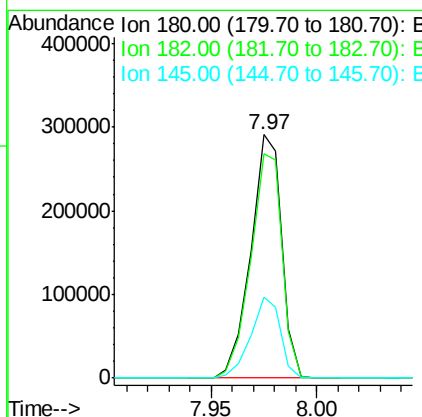
Manual Integrations
 APPROVED

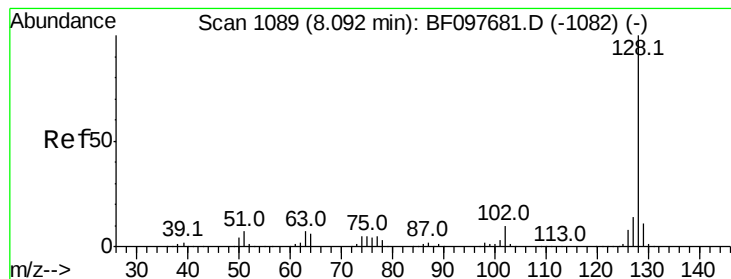
Sohil
 8/22/2017 5:44:45 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 41.788 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:	180	Resp:	295681
Ion Ratio	Lower	Upper	
180	100		
182	92.3	75.8	113.6
145	33.2	25.3	37.9





#31

Naphthalene

Concen: 41.675 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:128 Resp: 1042135

Ion Ratio Lower Upper

128 100

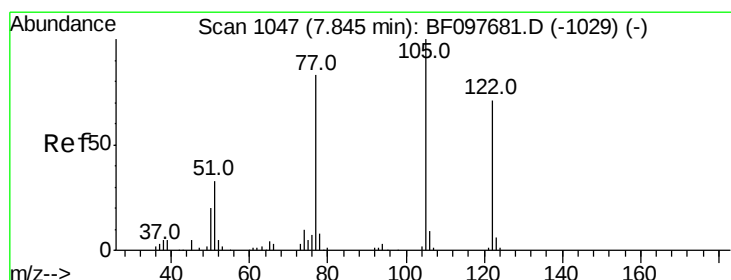
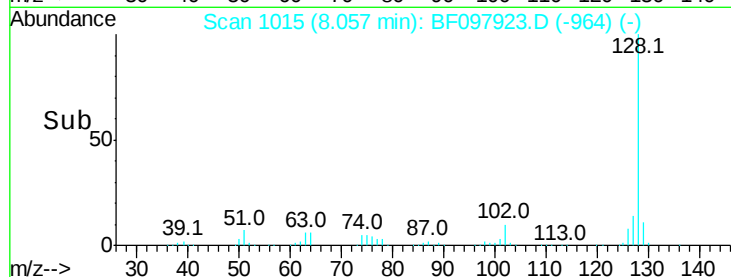
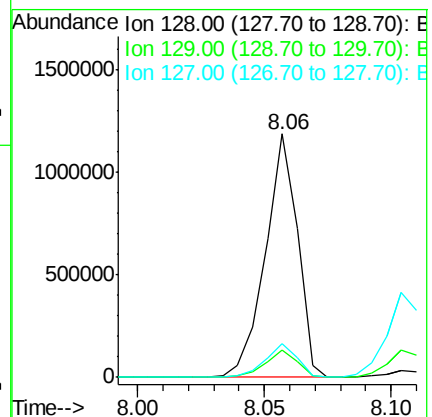
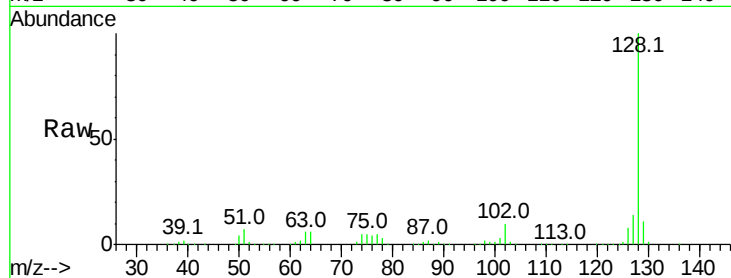
129 11.3 9.0 13.6

127 13.7 10.8 16.2

Manual Integrations
APPROVED

Sohil

8/22/2017 5:44:45 PM



#32

Benzoic acid

Concen: 13.033 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

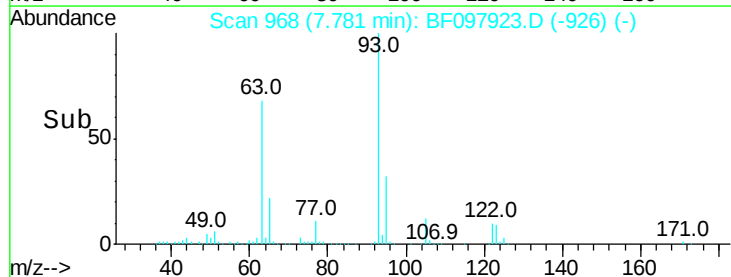
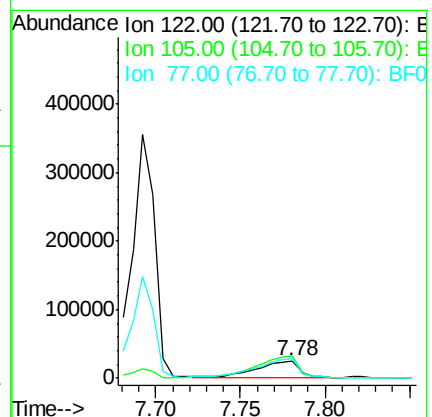
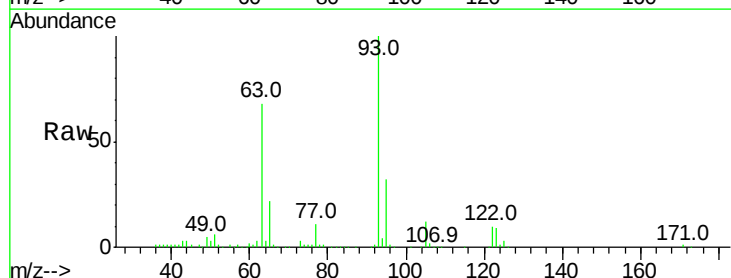
Tgt Ion:122 Resp: 42857

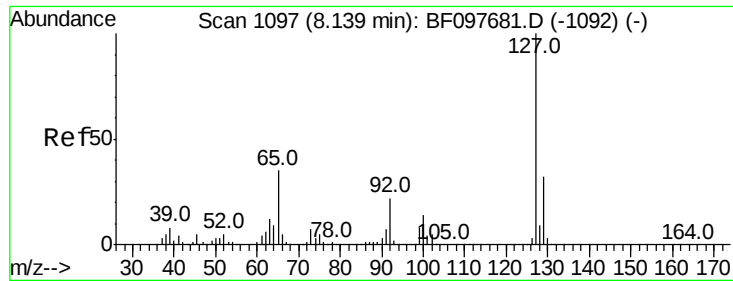
Ion Ratio Lower Upper

122 100

105 124.3 103.3 143.3

77 111.7 73.7 113.7





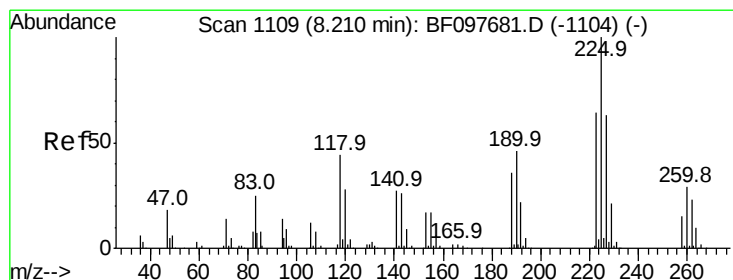
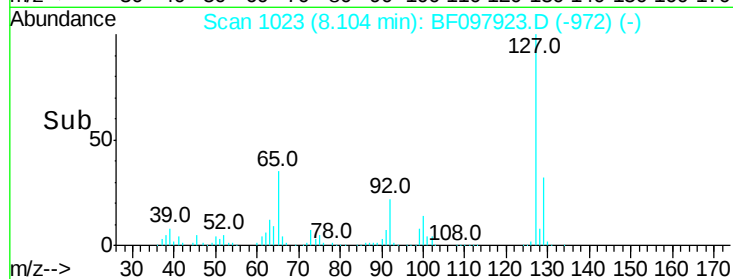
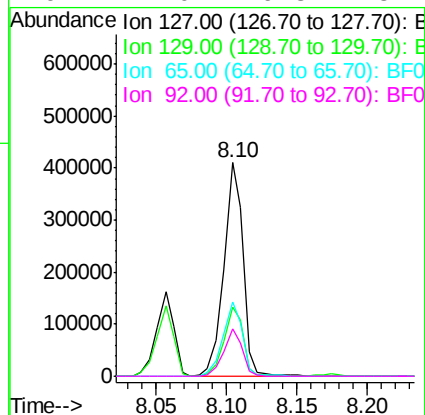
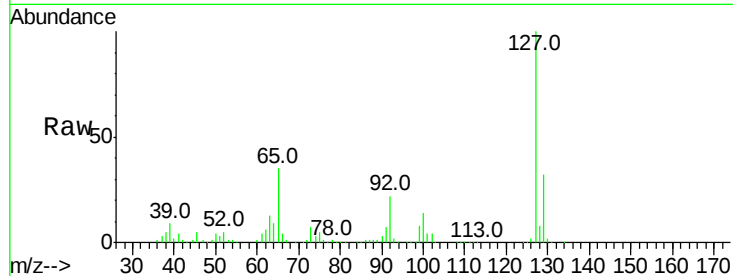
#33
4-Chloroaniline
Concen: 36.544 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	32.1	26.2	39.2
65	34.9	27.8	41.8
92	22.0	16.8	25.2

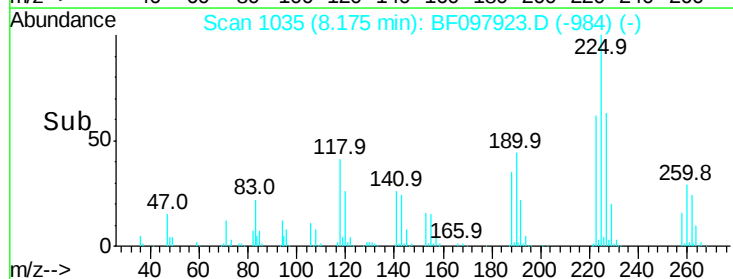
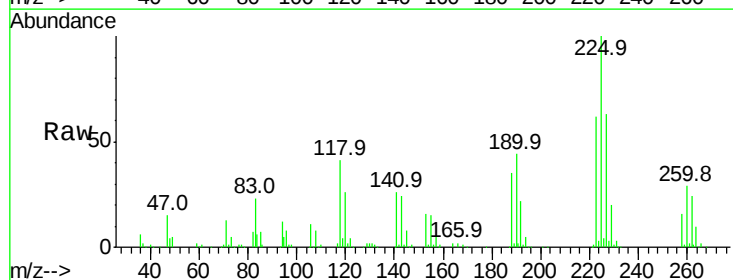
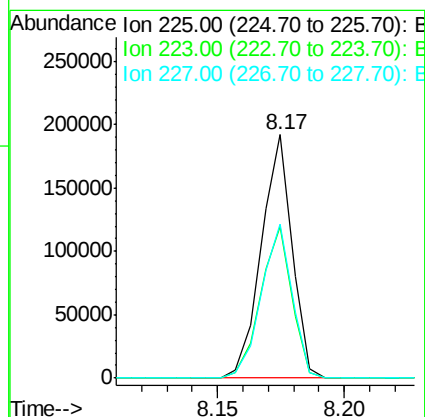
Manual Integrations
APPROVED

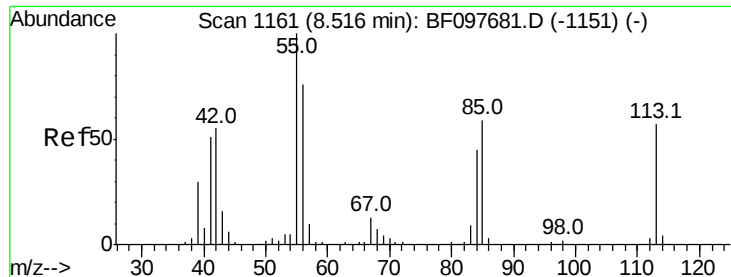
Sohil
8/22/2017 5:44:45 PM



#34
Hexachlorobutadiene
Concen: 39.373 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.3	48.8	73.2
227	63.0	51.1	76.7





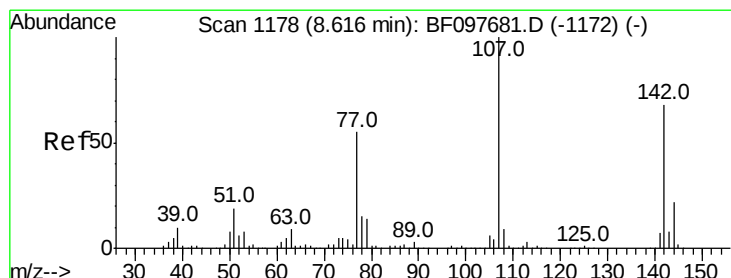
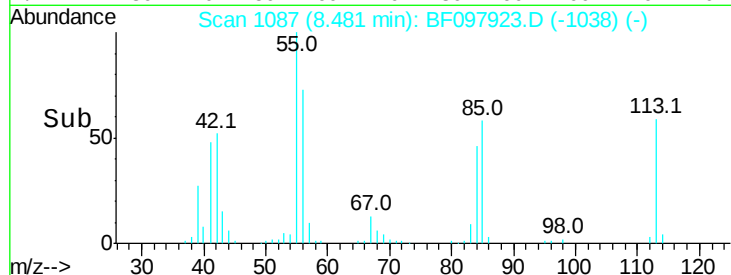
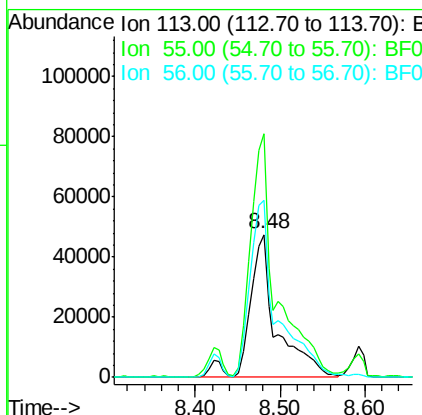
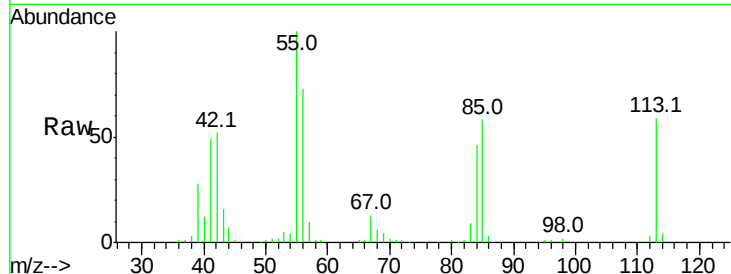
#35
 Caprolactam
 Concen: 48.039 ng/ml
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	170.9	150.2	190.2	
56	124.6	107.8	147.8	

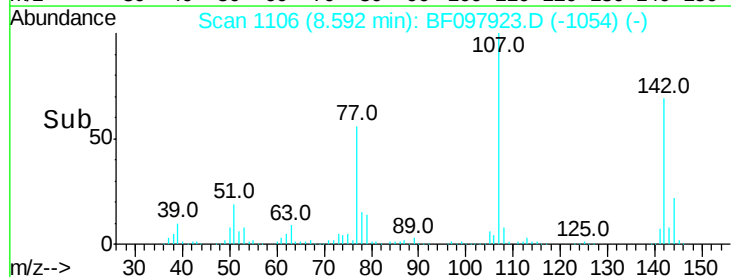
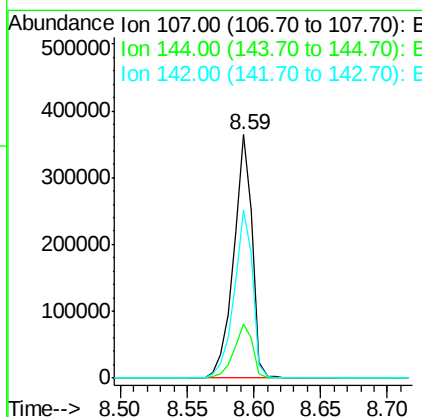
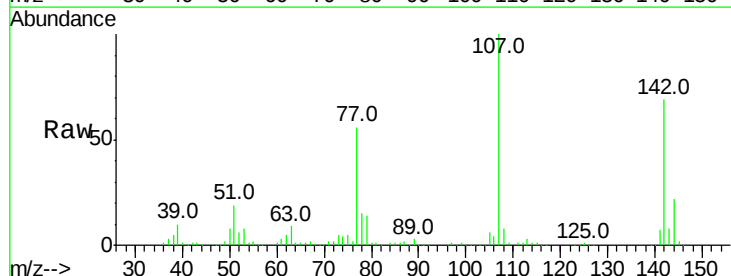
Manual Integrations
 APPROVED

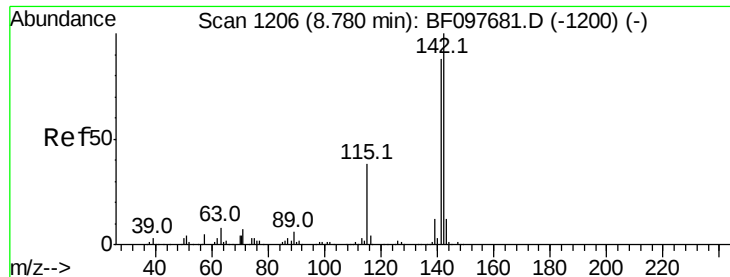
Sohil
 8/22/2017 5:44:45 PM



#36
 4-Chloro-3-methylphenol
 Concen: 43.280 ng/ml
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	22.2	24.2	36.4#	
142	69.1	73.4	110.0#	





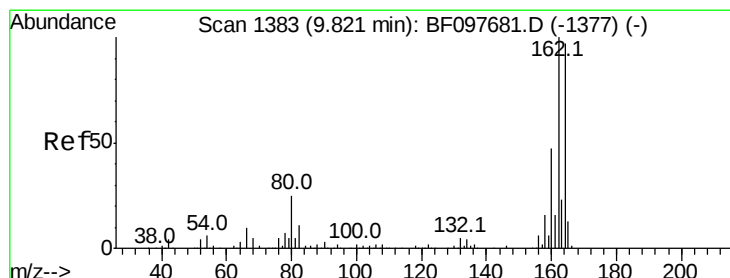
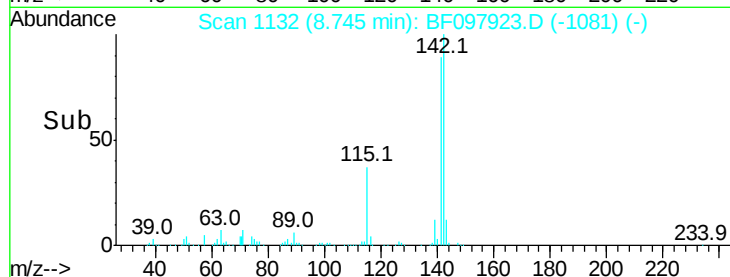
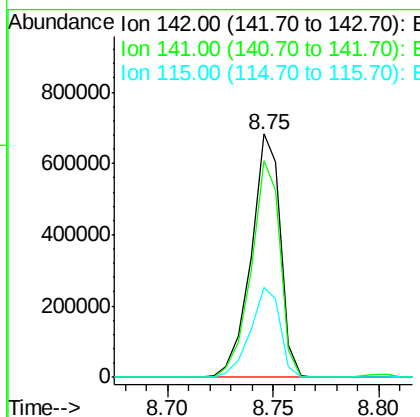
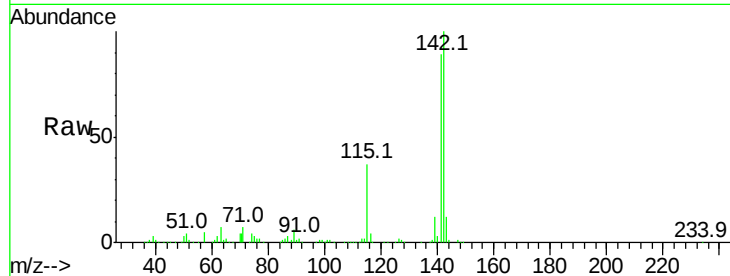
#37
2-Methylnaphthalene
Concen: 43.044 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	659910		
141	88.9	71.3	106.9	
115	37.1	27.1	40.7	

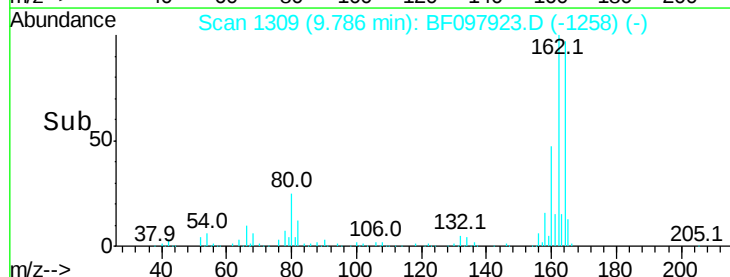
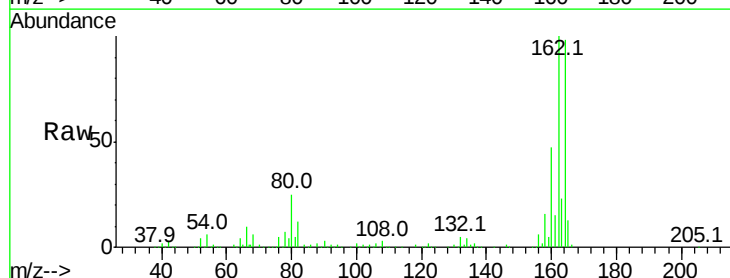
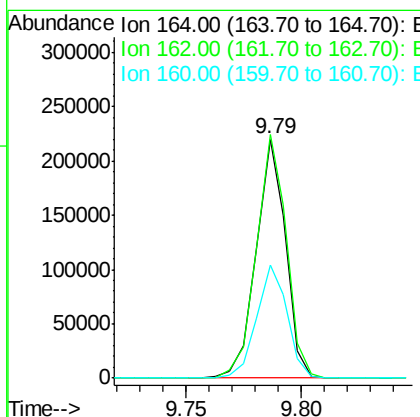
Manual Integrations
APPROVED

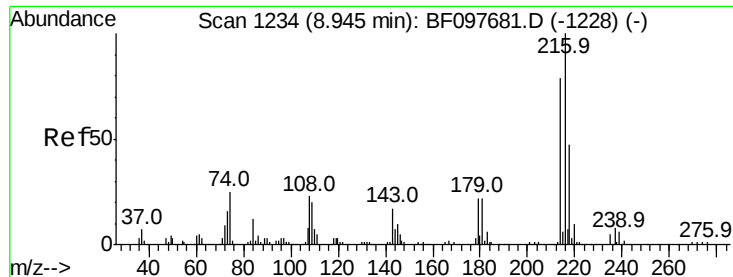
Sohil
8/22/2017 5:44:45 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195028		
162	102.0	82.6	123.8	
160	47.4	36.2	54.2	





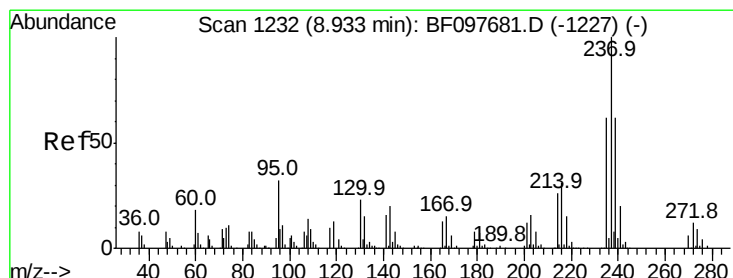
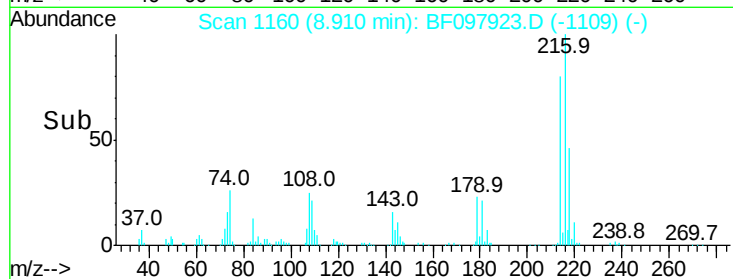
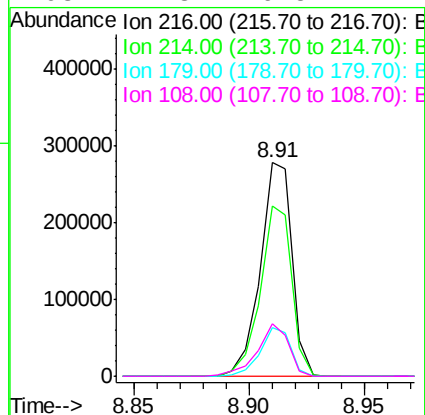
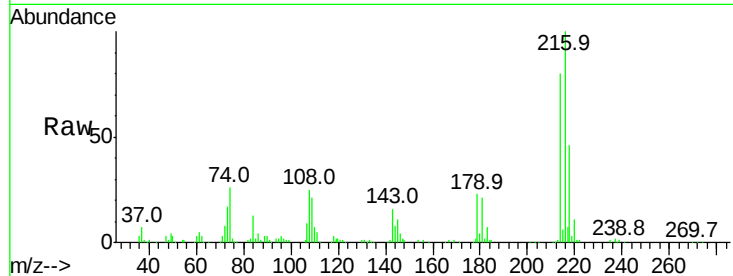
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.650 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	267246		
214	79.0	63.4	95.2	
179	21.8	17.9	26.9	
108	24.3	16.5	24.7	

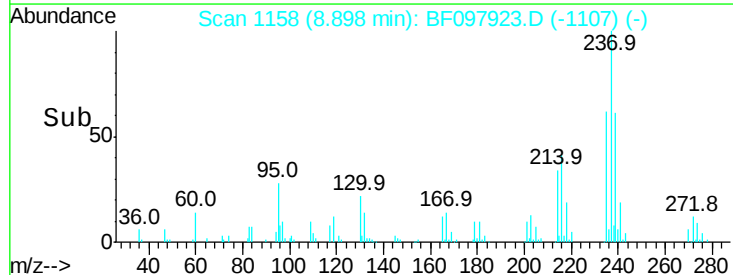
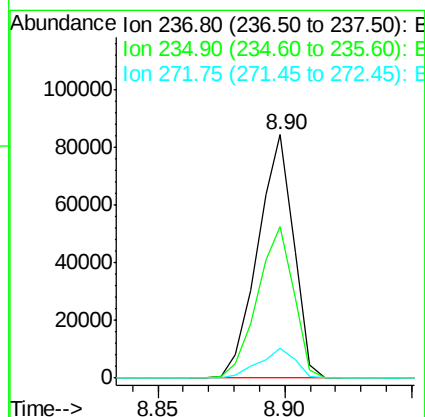
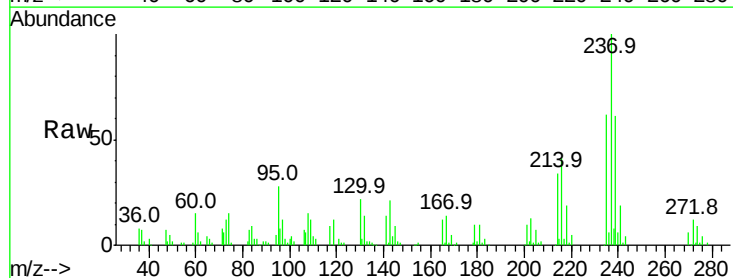
Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM



#40
 Hexachlorocyclopentadiene
 Concen: 28.953 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	83253		
235	62.4	42.6	82.6	
272	12.1	0.0	31.9	





#41

2,4,6-Tribromophenol

Concen: 128.944 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

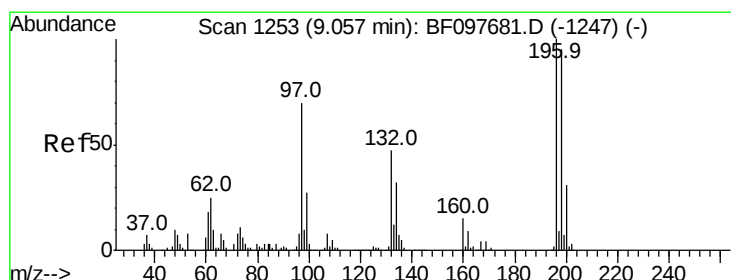
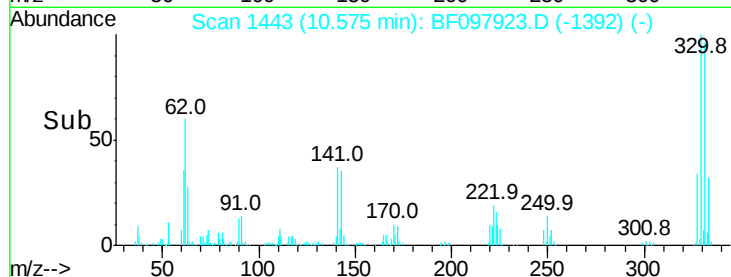
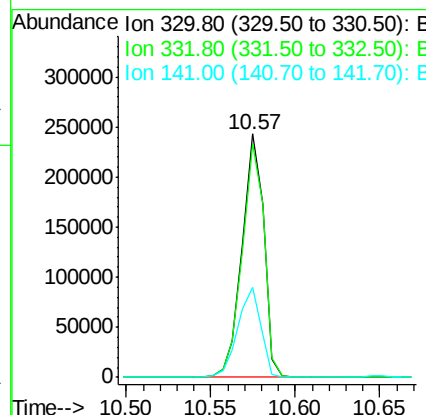
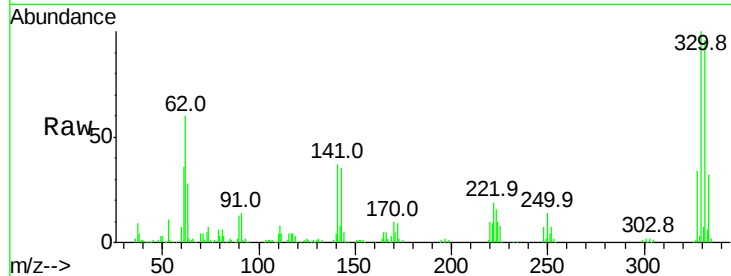
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	330	Resp:	218197
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.6	115.0
141	39.2	31.4	47.2

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#42

2,4,6-Trichlorophenol

Concen: 47.403 ng

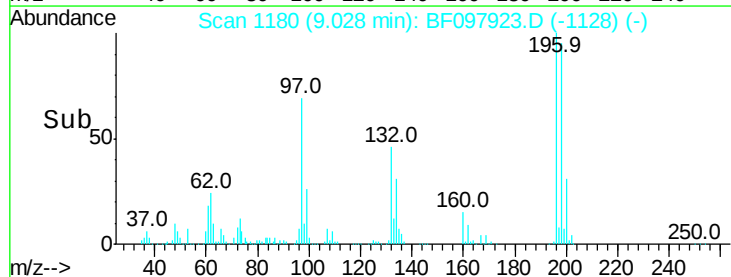
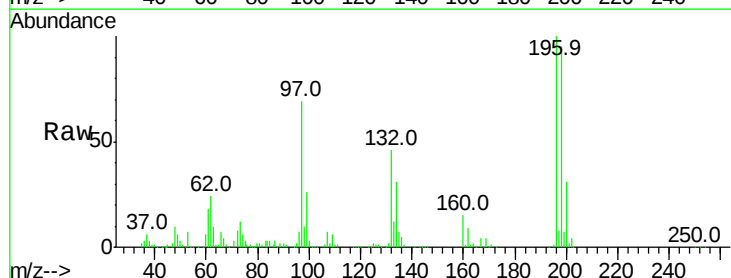
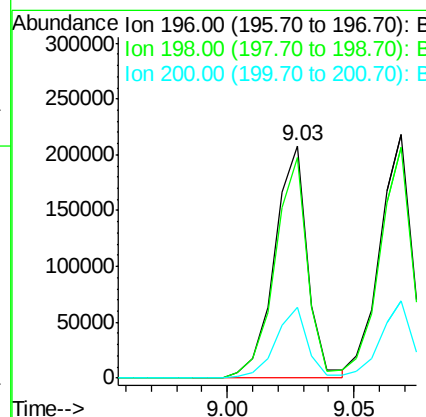
RT: 9.03 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	196	Resp:	190483
Ion Ratio	Lower	Upper	
196	100		
198	94.9	74.2	111.4
200	30.6	24.0	36.0





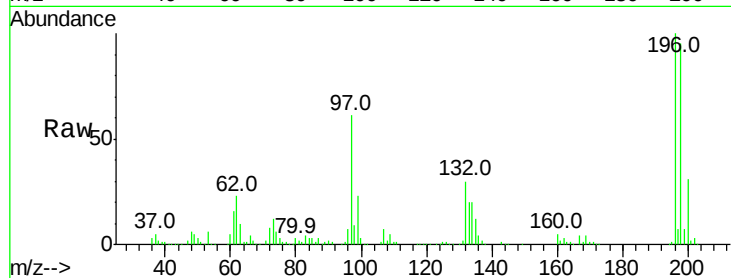
#43
 2,4,5-Trichlorophenol
 Concen: 48.549 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	196	Resp	193545
Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.7	113.5
97	60.8	47.7	71.5
132	30.3	28.0	42.0

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM



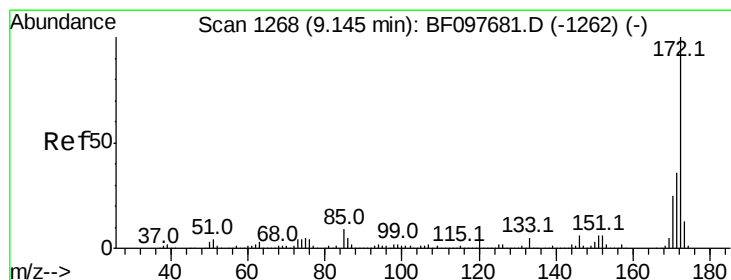
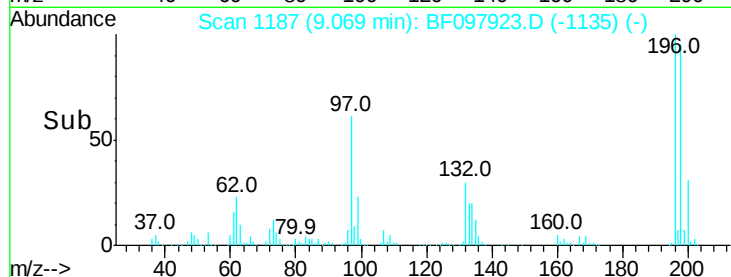
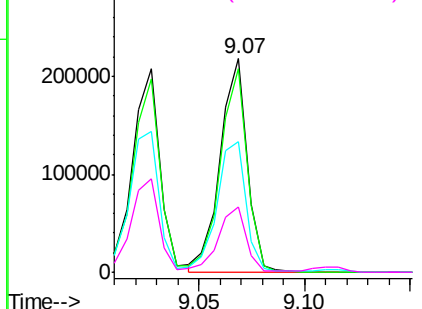
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 91.308 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

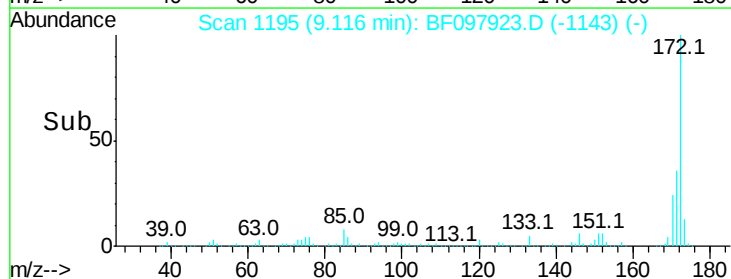
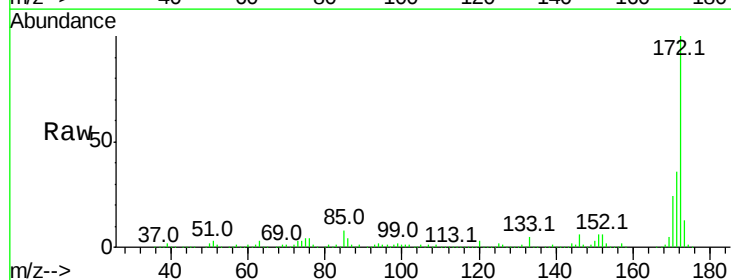
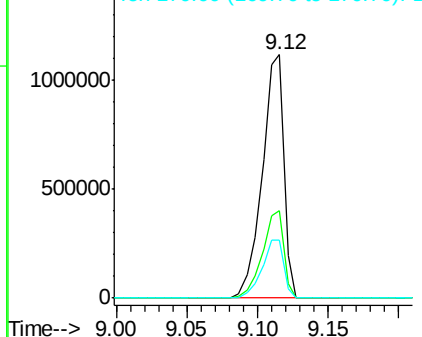
Tgt Ion	172	Resp	1212054
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.0	19.8	29.8

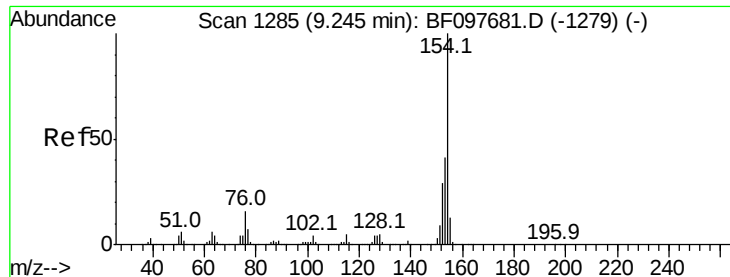
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 42.774 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

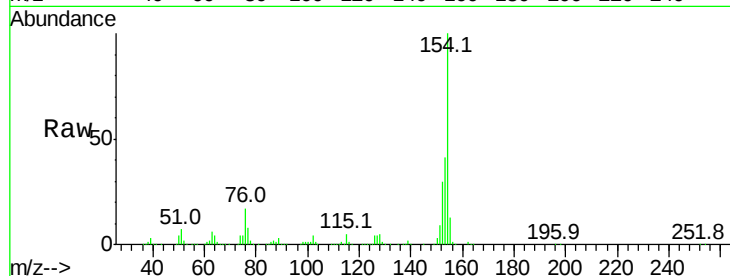
ClientSampleId :

CLEAN-SAND-6MSD

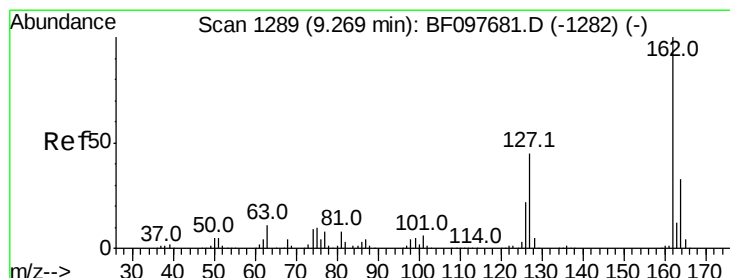
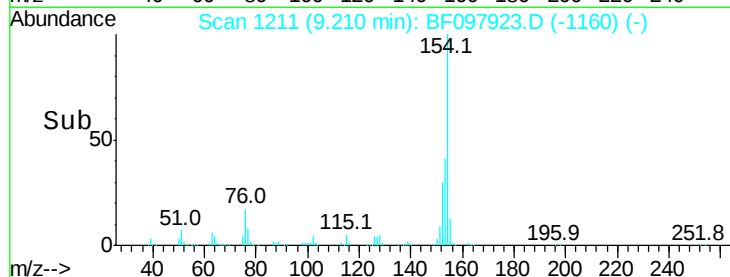
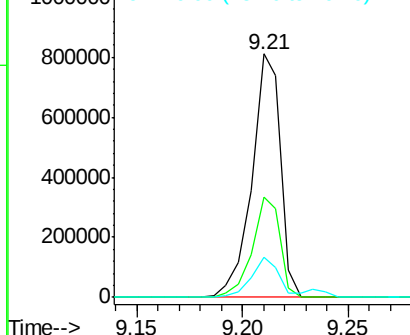
Tot Ion:	154	Resp:	760725
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.2	61.2
76	16.7	0.0	29.9

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



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



#46

2-Chloronaphthalene

Concen: 42.501 ng

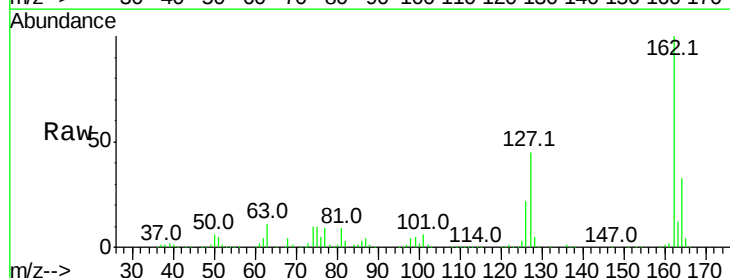
RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

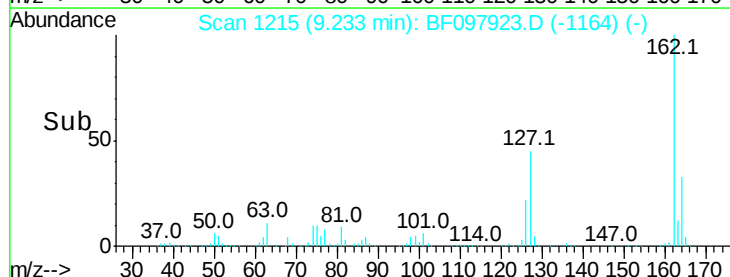
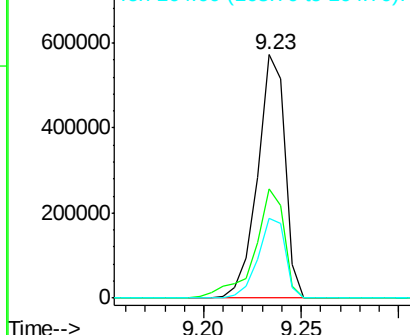
Lab File: BF097923.D

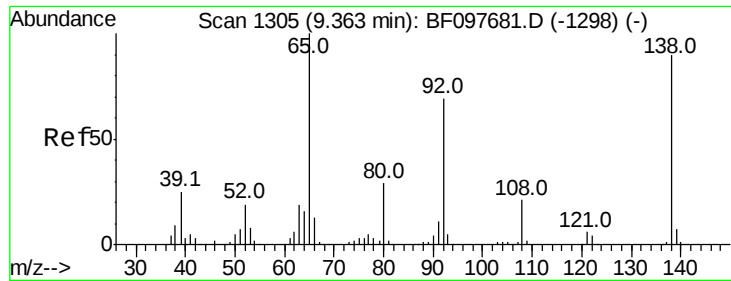
Acq: 21 Aug 2017 23:34

Tgt Ion:	162	Resp:	558488
Ion Ratio	Lower	Upper	
162	100		
127	44.8	28.3	42.5#
164	32.7	27.0	40.4



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





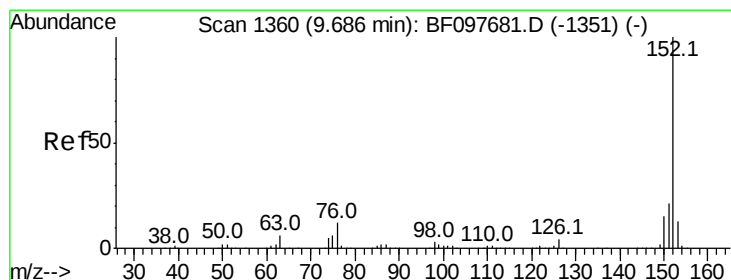
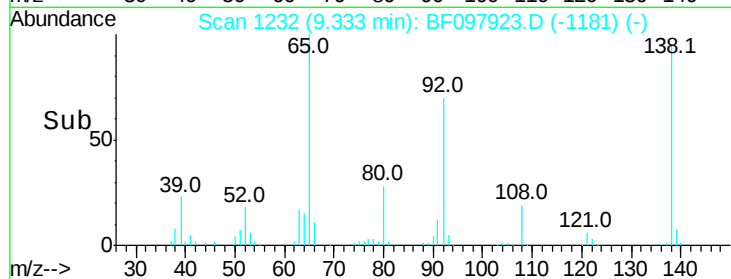
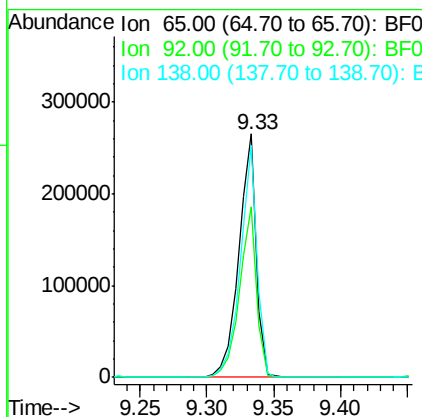
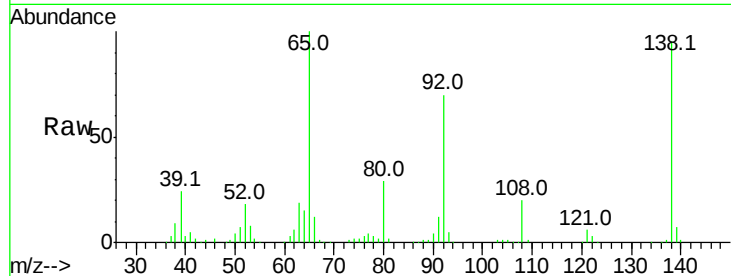
#47
2-Nitroaniline
Concen: 54.924 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.9	53.9	80.9
138	95.1	78.8	118.2

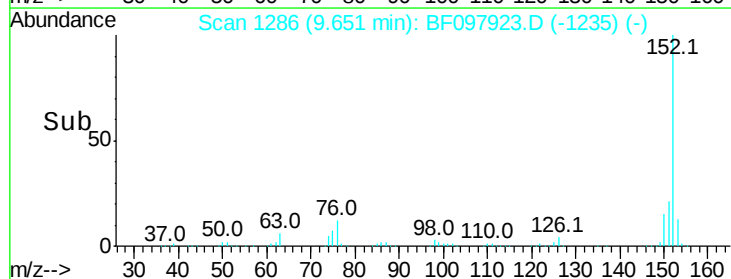
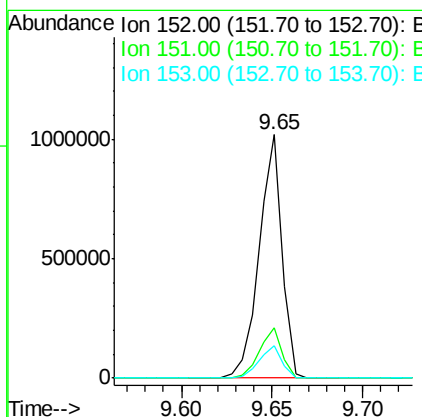
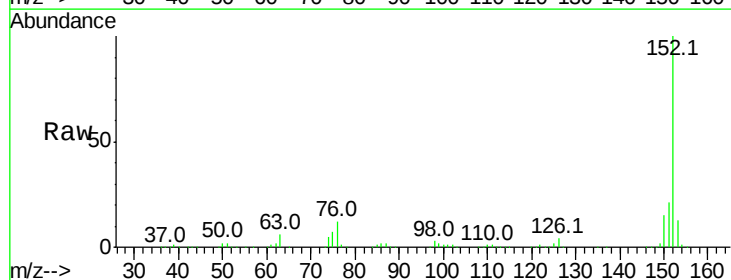
Manual Integrations
APPROVED

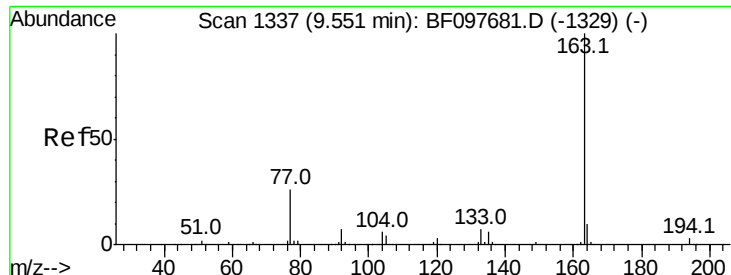
Sohil
8/22/2017 5:44:45 PM



#48
Acenaphthylene
Concen: 43.176 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.1	10.8	16.2





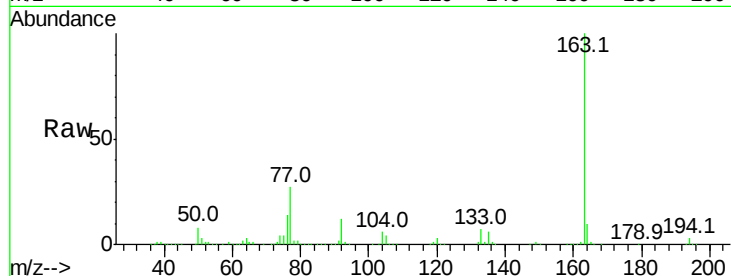
#49
Dimethylphthalate
Concen: 67.187 ng
RT: 9.52 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

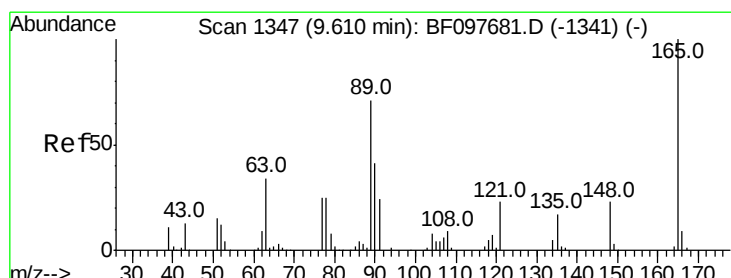
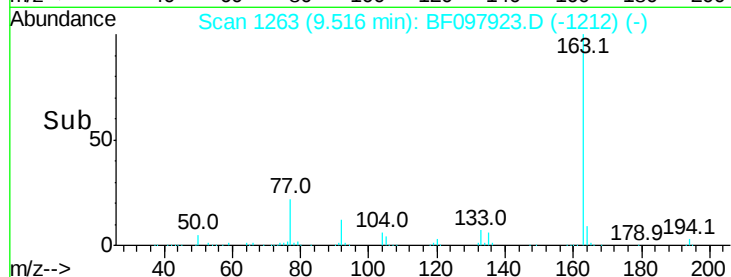
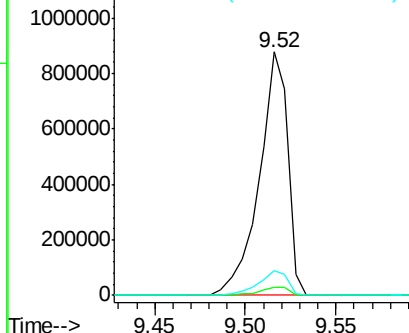
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	10.1	8.4	12.6	

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM

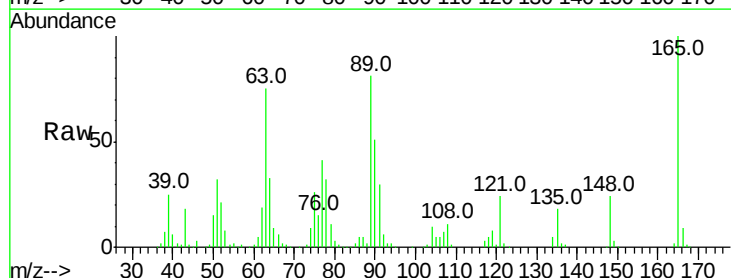


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

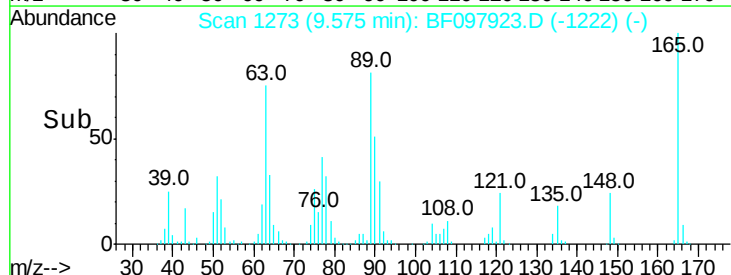
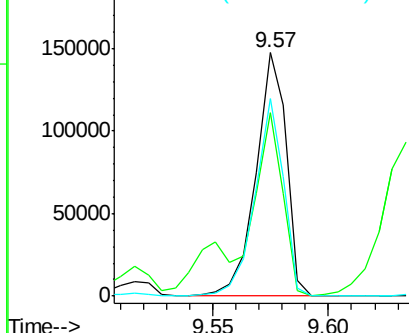


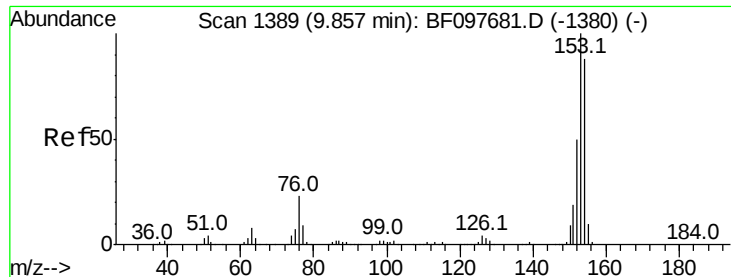
#50
2,6-Dinitrotoluene
Concen: 47.719 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	75.1	34.3	51.5#	
89	81.3	37.1	55.7#	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.570 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

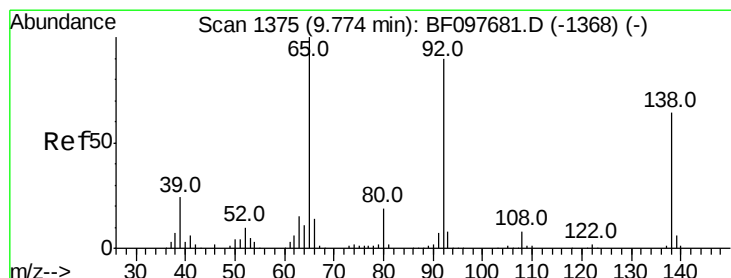
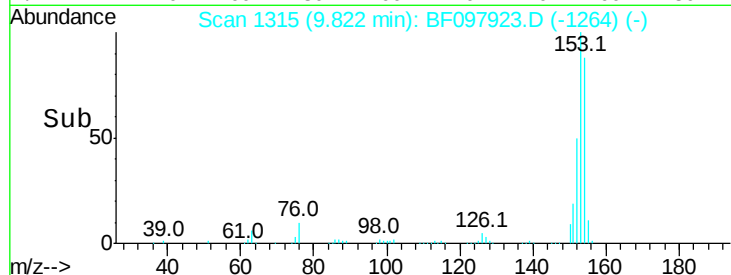
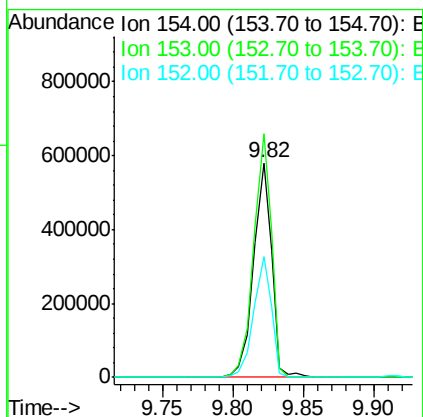
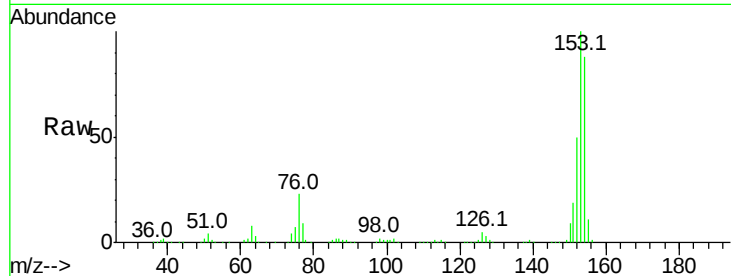
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	154	Resp:	528002
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.5	135.7
152	56.5	43.6	65.4

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#52

3-Nitroaniline

Concen: 45.807 ng

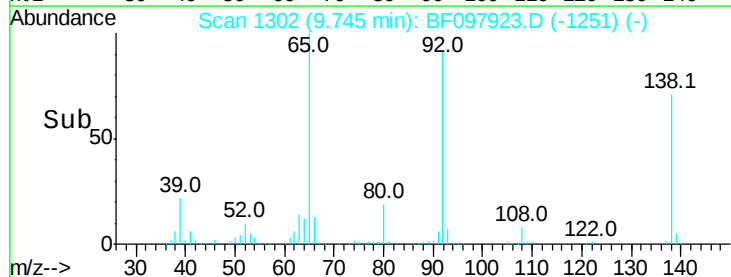
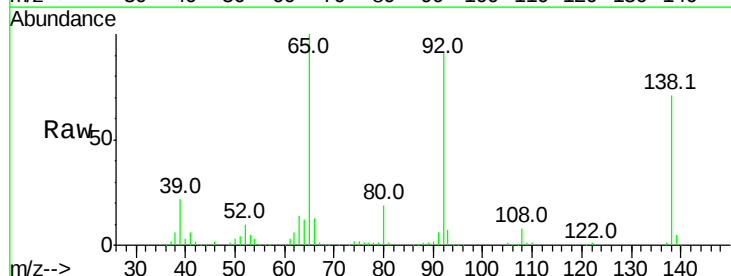
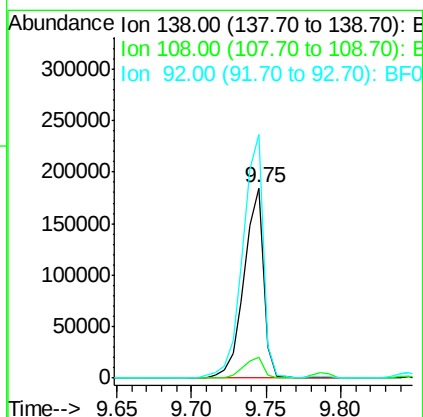
RT: 9.75 min Scan# 1302

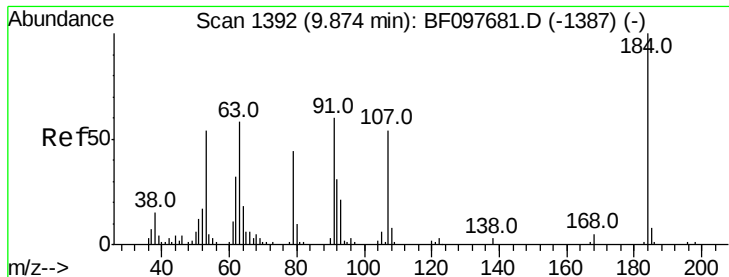
Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	138	Resp:	168175
Ion Ratio	Lower	Upper	
138	100		
108	10.9	9.1	13.7
92	128.1	93.8	140.6





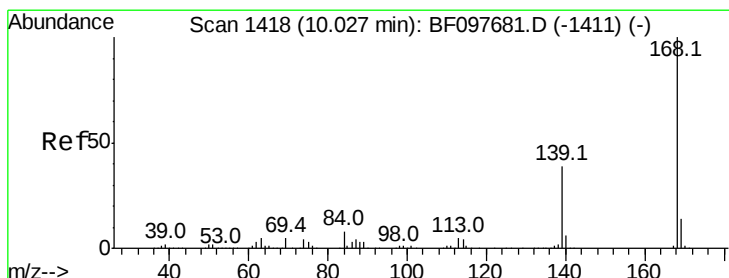
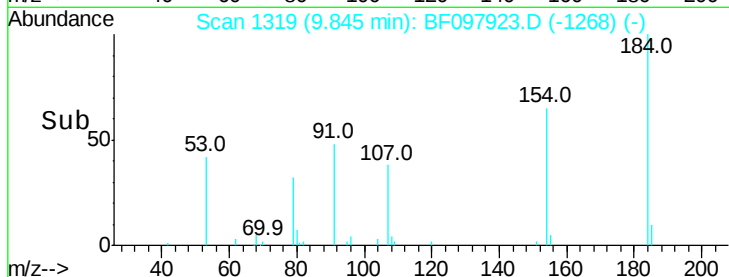
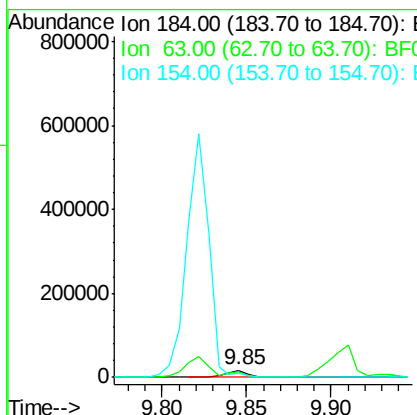
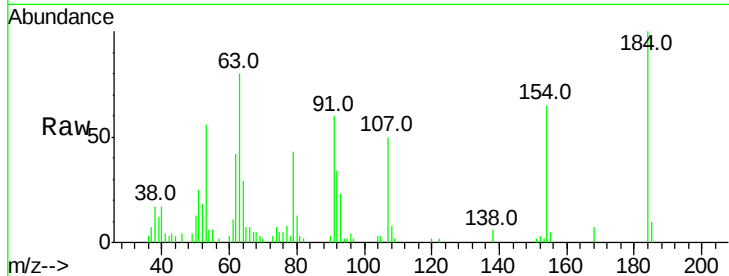
#53
 2,4-Dinitrophenol
 Concen: 19.683 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	14790		
63	80.4	62.7	94.1	
154	65.0	81.1	121.7#	

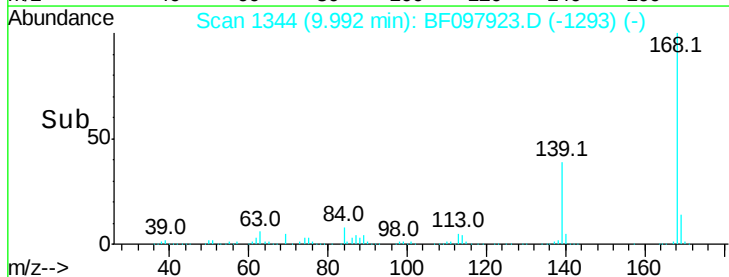
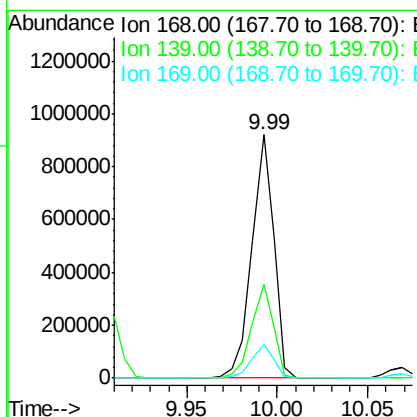
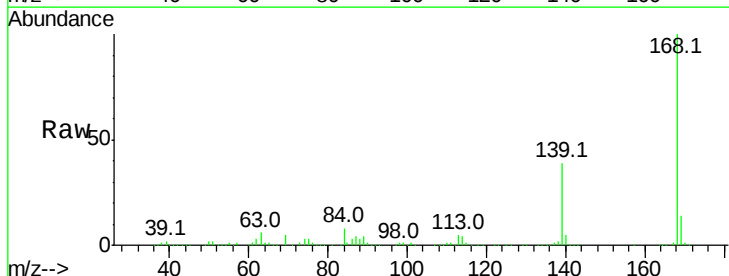
Manual Integrations
 APPROVED

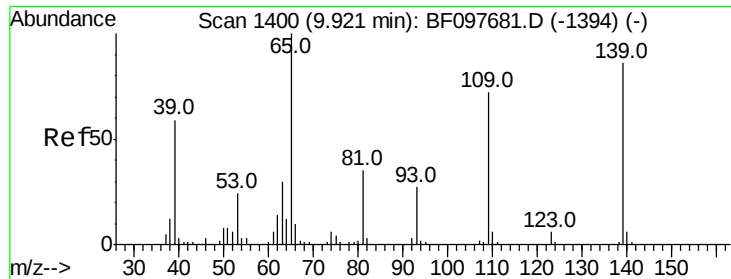
Sohil
 8/22/2017 5:44:45 PM



#54
 Dibenzofuran
 Concen: 44.454 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	775397		
139	38.7	30.6	45.8	
169	13.7	10.8	16.2	





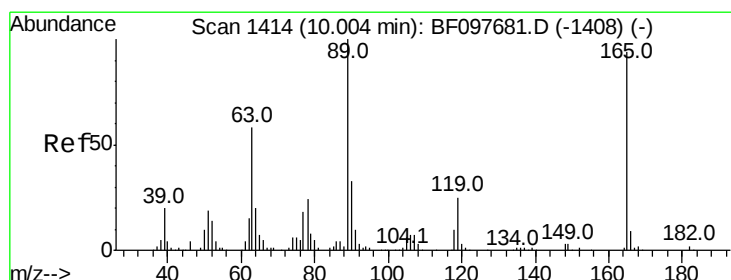
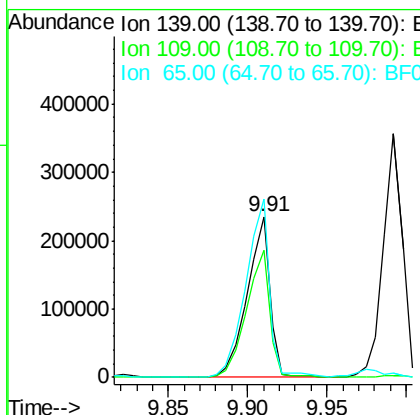
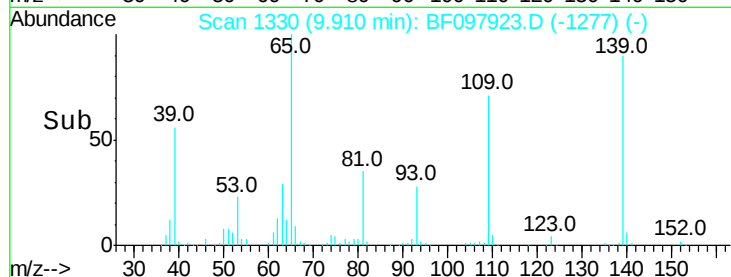
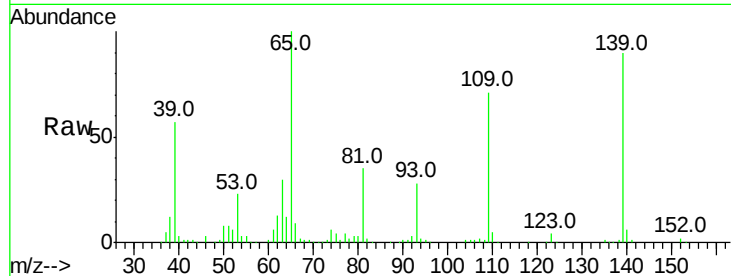
#55
4-Nitrophenol
Concen: 80.317 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	79.3	34.1	74.1#
65	111.4	31.4	71.4#

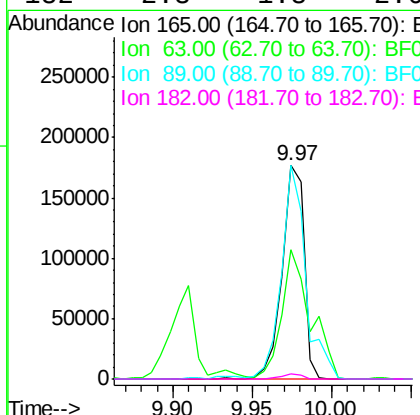
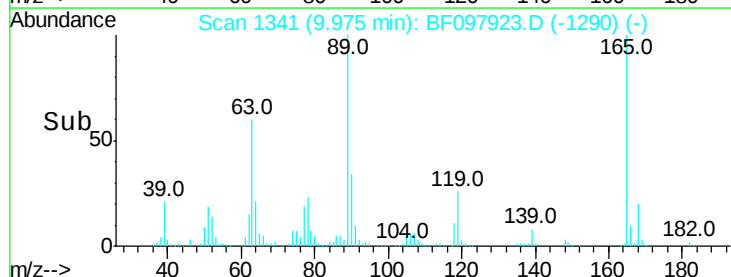
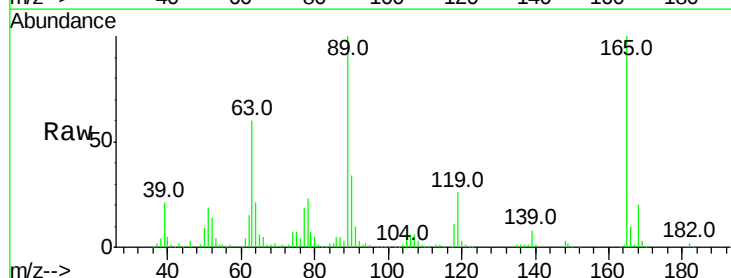
Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#56
2,4-Dinitrotoluene
Concen: 47.488 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.5	25.4	38.0#
89	100.0	46.4	69.6#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 40.550 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:166 Resp: 546841

Ion Ratio Lower Upper

166 100

165 94.7 78.8 118.2

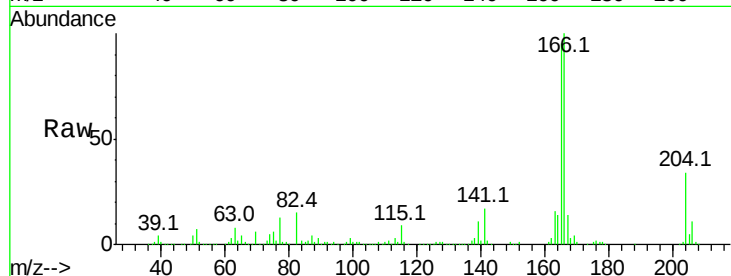
167 13.9 10.6 16.0

Manual Integrations

APPROVED

Sohil

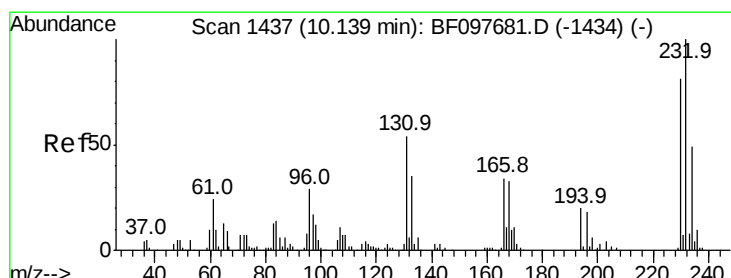
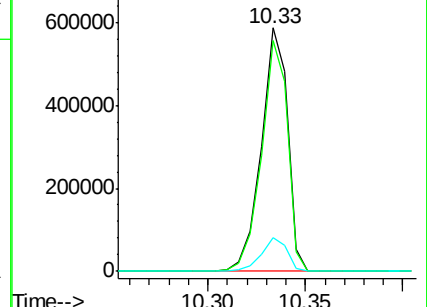
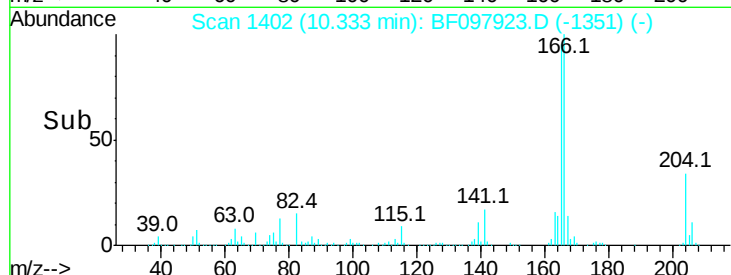
8/22/2017 5:44:45 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.348 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:232 Resp: 146141

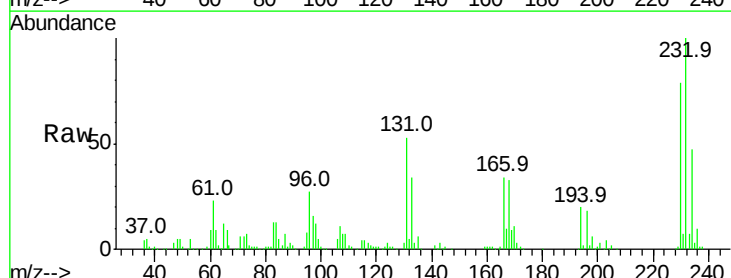
Ion Ratio Lower Upper

232 100

131 53.3 44.8 67.2

130 2.8 2.3 3.5

166 32.8 29.0 43.4

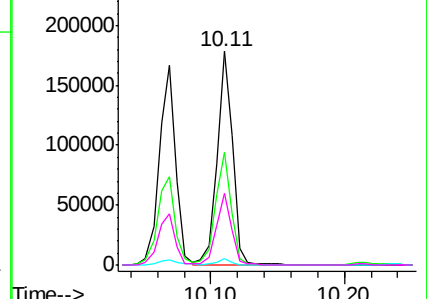
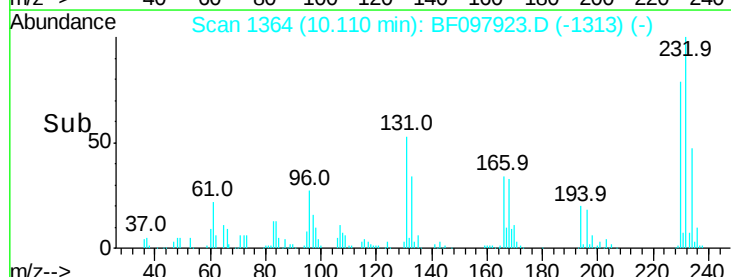


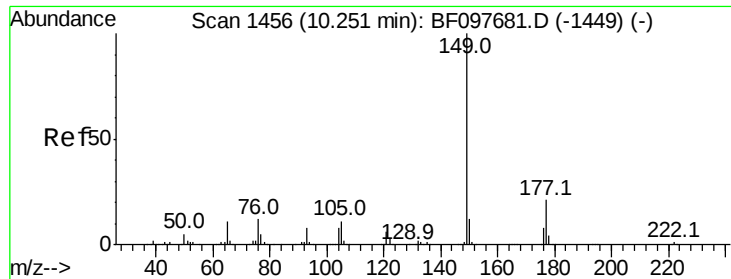
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





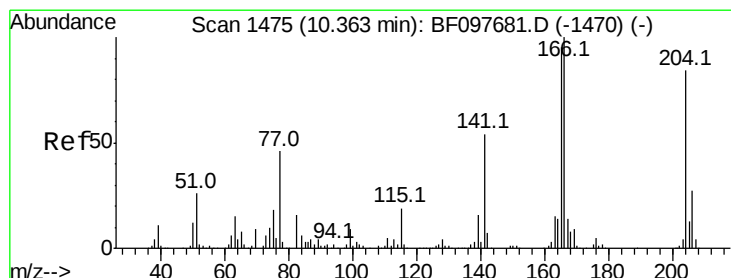
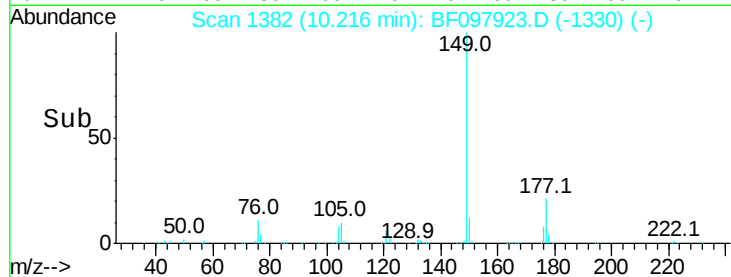
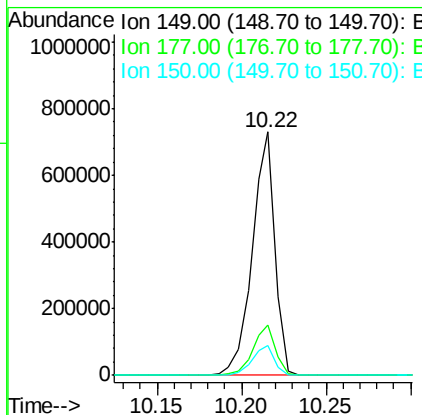
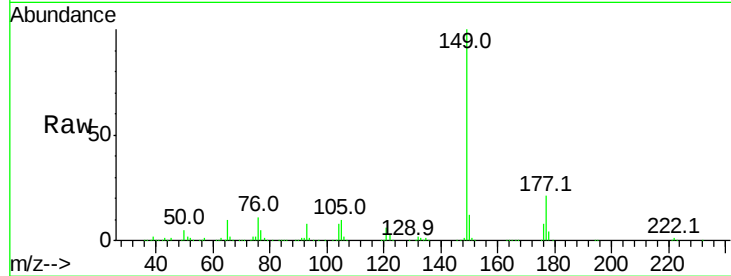
#59
Diethylphthalate
Concen: 45.724 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	681659		
177	20.7	16.7	25.1	
150	12.3	10.2	15.2	

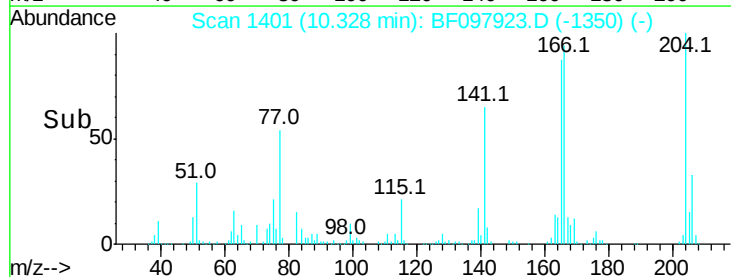
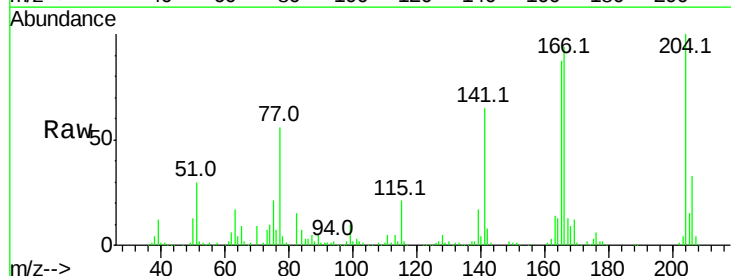
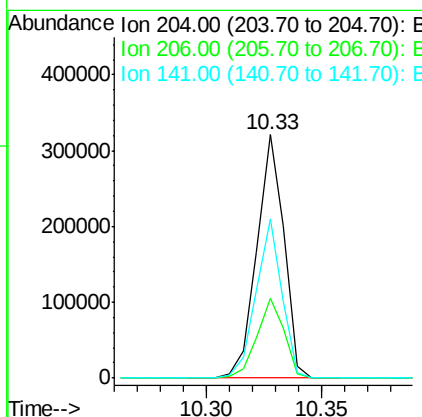
Manual Integrations
APPROVED

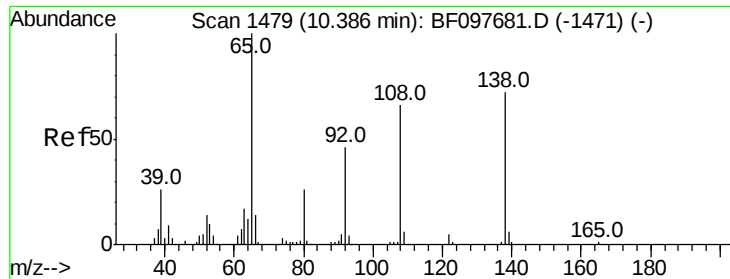
Sohil
8/22/2017 5:44:45 PM



#60
4-Chlorophenyl-phenylether
Concen: 42.032 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	263328		
206	33.0	26.2	39.2	
141	65.3	60.8	91.2	





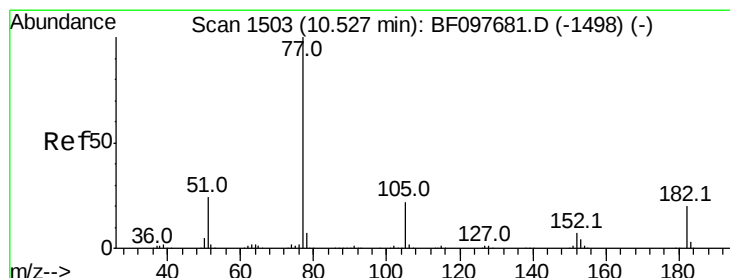
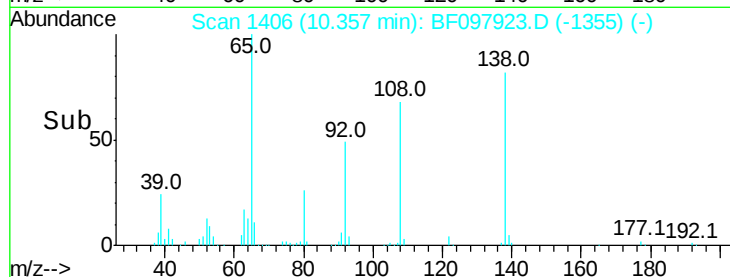
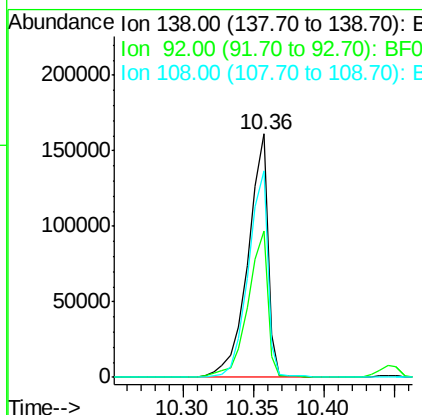
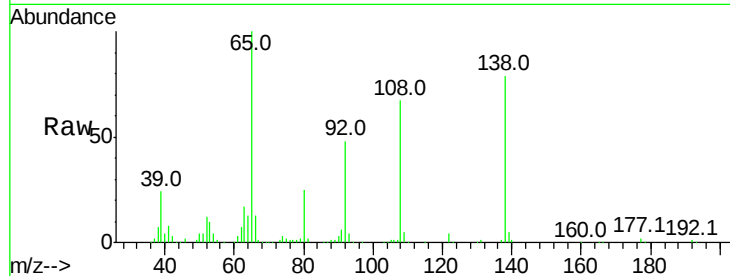
#61
4-Nitroaniline
Concen: 46.145 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	60.0	21.8	61.8
108	84.6	42.3	82.3

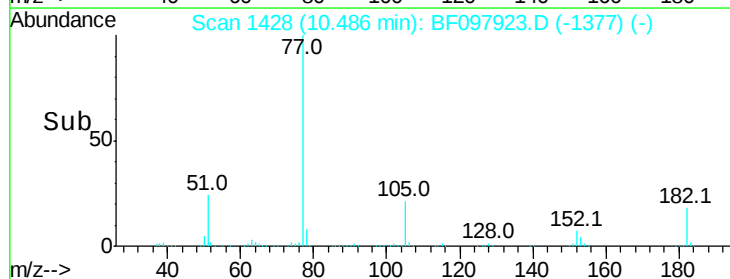
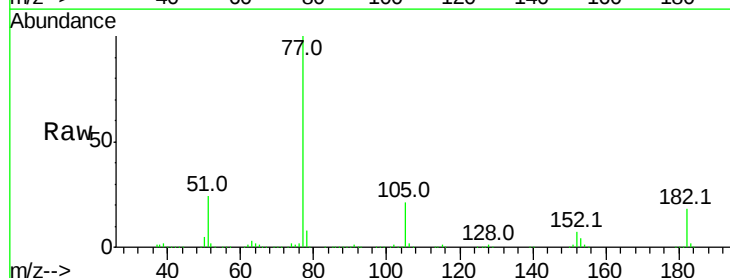
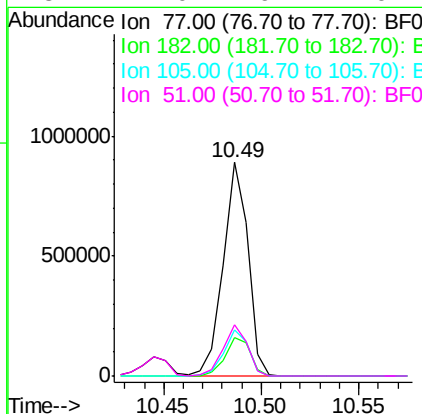
Manual Integrations
APPROVED

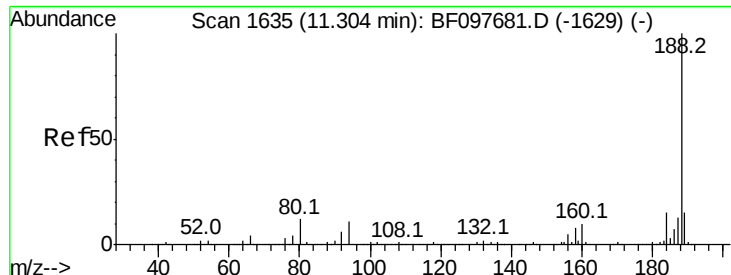
Sohil
8/22/2017 5:44:45 PM



#62
Azobenzene
Concen: 44.074 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.8	0.1	40.1
105	21.4	3.6	43.6
51	24.0	9.4	49.4





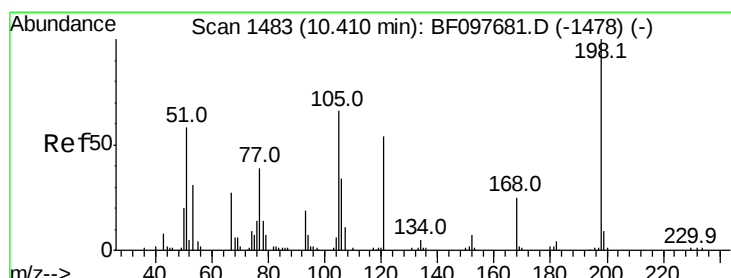
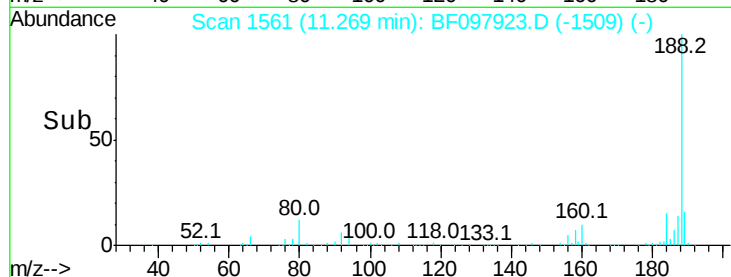
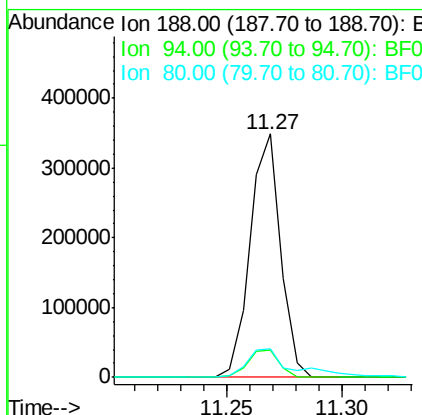
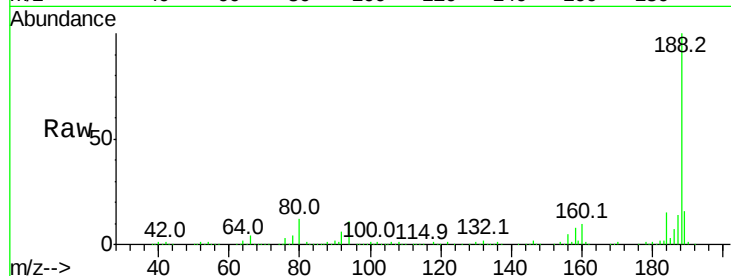
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.1	9.4	14.2	
80	11.9	10.2	15.2	

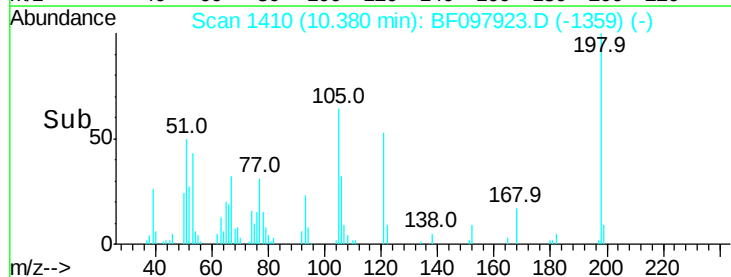
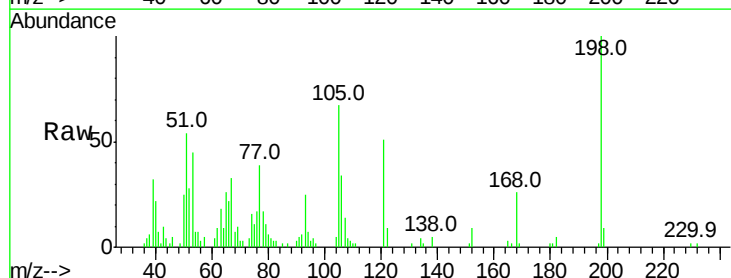
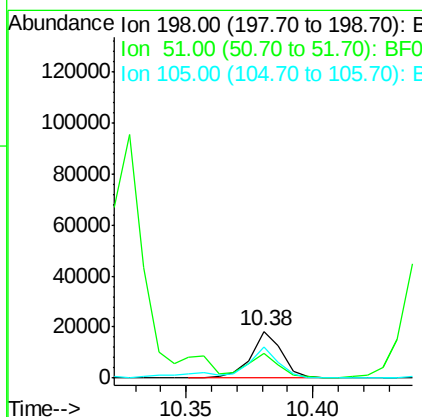
Manual Integrations
 APPROVED

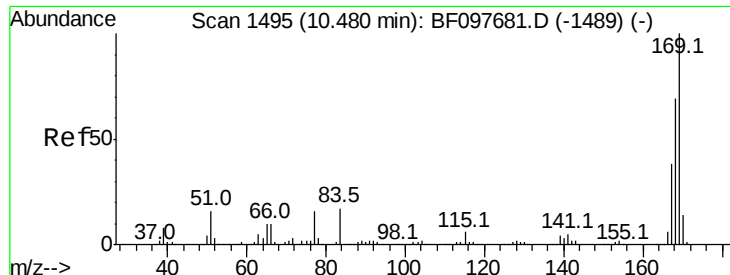
Sohil
 8/22/2017 5:44:45 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 16.774 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	54.2	53.2	93.2	
105	67.1	45.8	85.8	





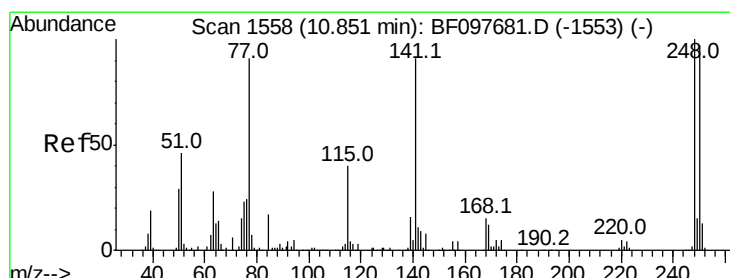
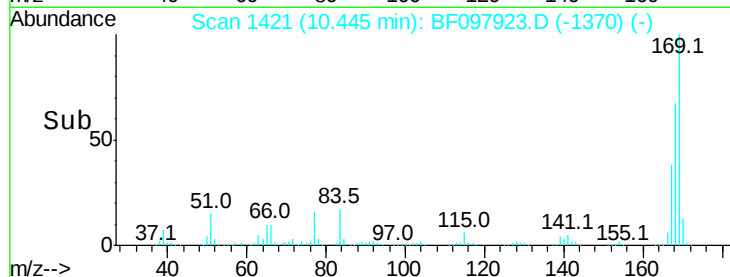
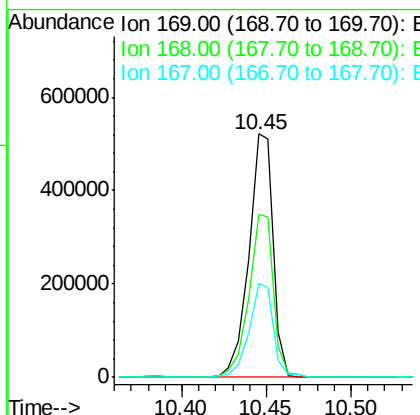
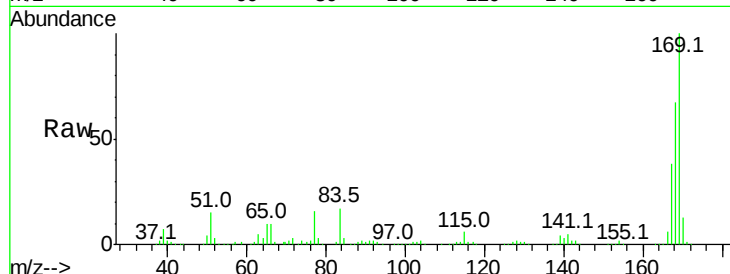
#65
 n-Nitrosodiphenylamine
 Concen: 47.780 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	524860		
168	66.7	53.2	79.8	
167	38.3	29.5	44.3	

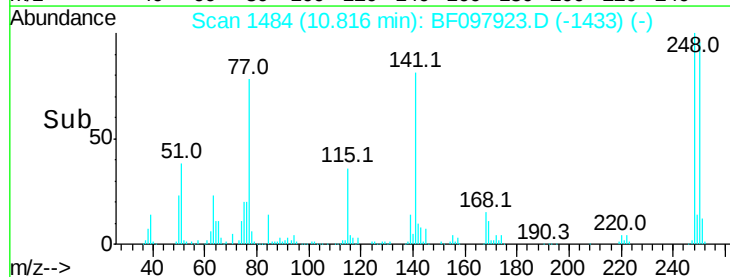
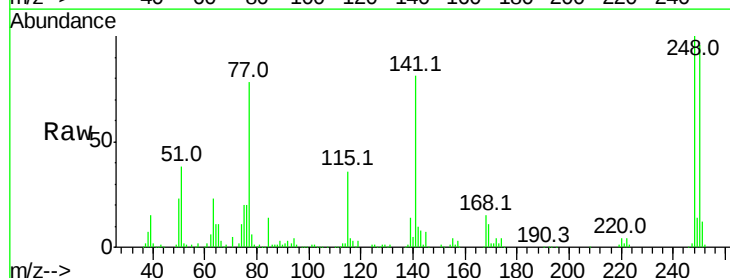
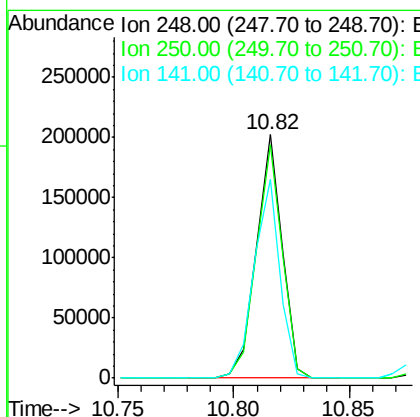
Manual Integrations
 APPROVED

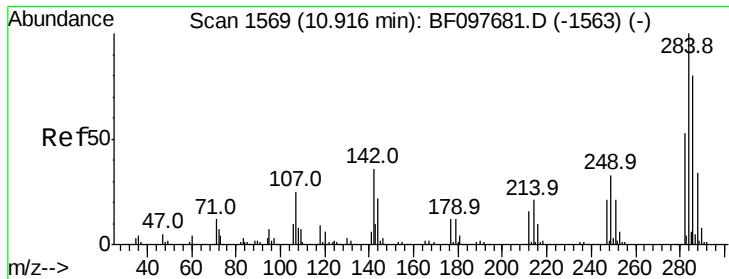
Sohil
 8/22/2017 5:44:45 PM



#66
 4-Bromophenyl-phenylether
 Concen: 47.261 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	158317		
250	95.8	76.8	115.2	
141	81.5	68.6	103.0	





#67

Hexachlorobenzene

Concen: 42.697 ng

RT: 10.88 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

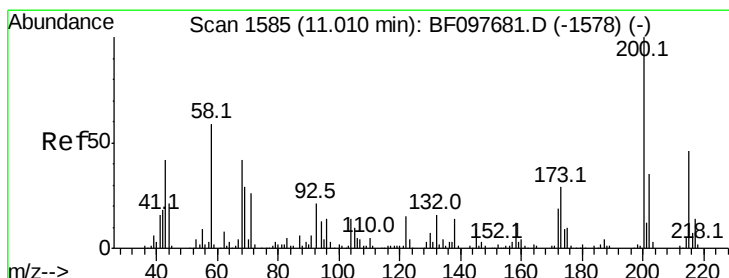
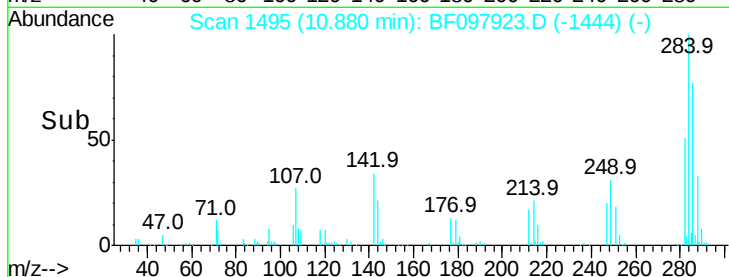
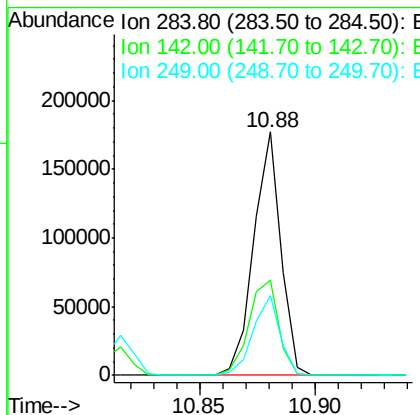
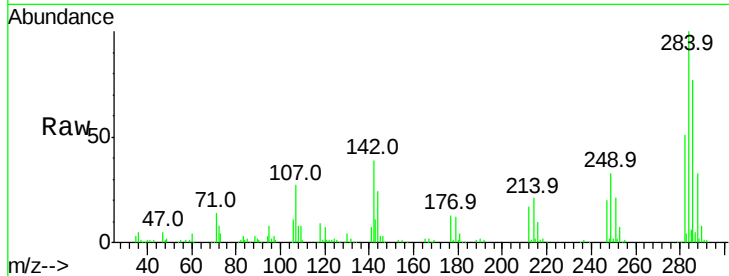
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:	284	Resp:	145785
Ion Ratio	Lower	Upper	
284	100		
142	39.2	22.8	34.2#
249	32.6	24.0	36.0

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#68

Atrazine

Concen: 48.145 ng

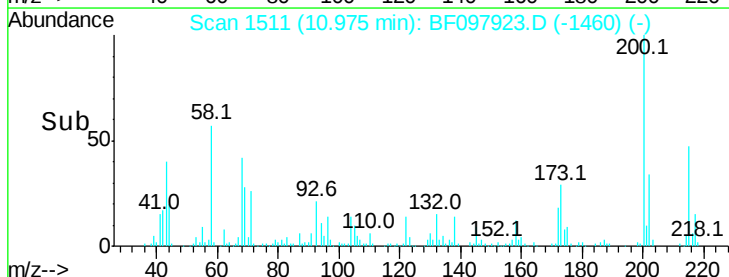
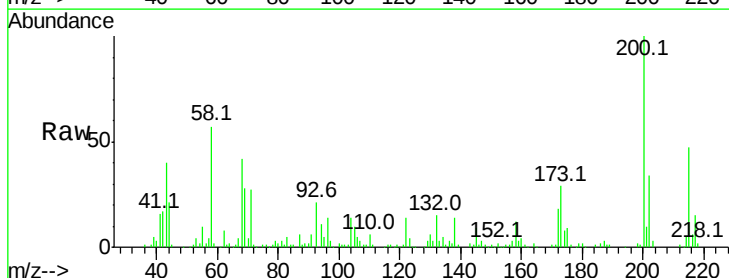
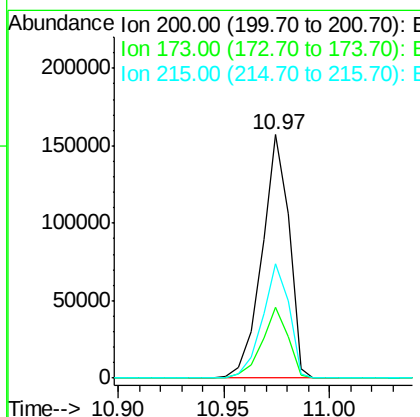
RT: 10.97 min Scan# 1511

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:	200	Resp:	140256
Ion Ratio	Lower	Upper	
200	100		
173	28.9	6.3	46.3
215	46.8	27.2	67.2





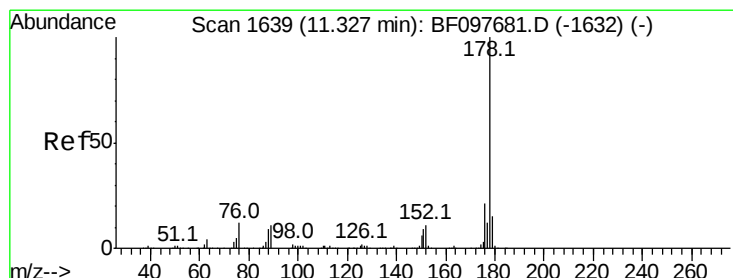
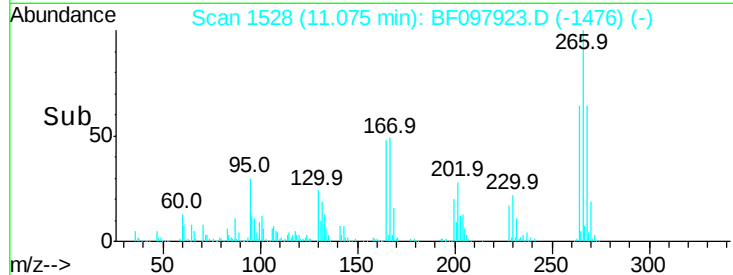
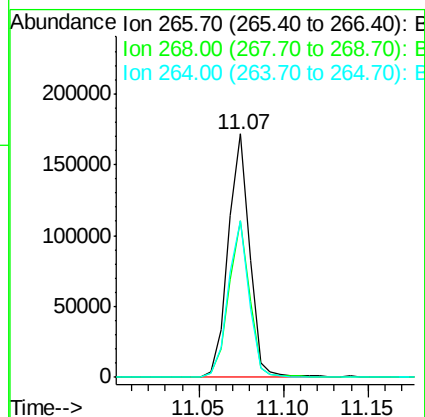
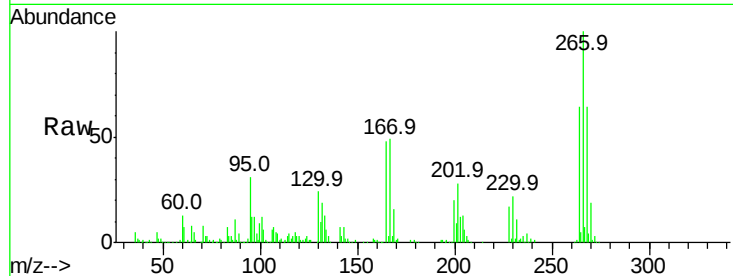
#69
 Pentachlorophenol
 Concen: 75.781 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:	266	Resp:	150863
Ion Ratio		Lower	Upper
266	100		
268	64.1	51.1	76.7
264	64.3	51.7	77.5

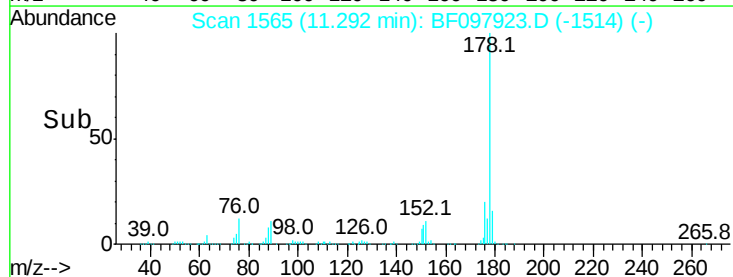
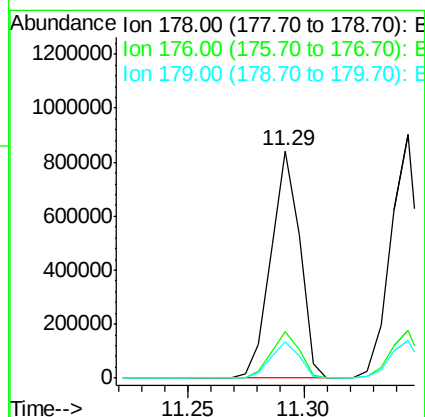
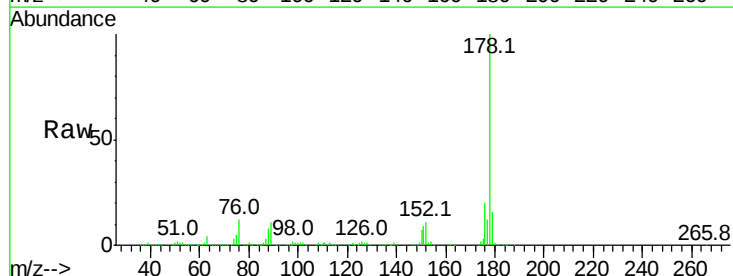
Manual Integrations
 APPROVED

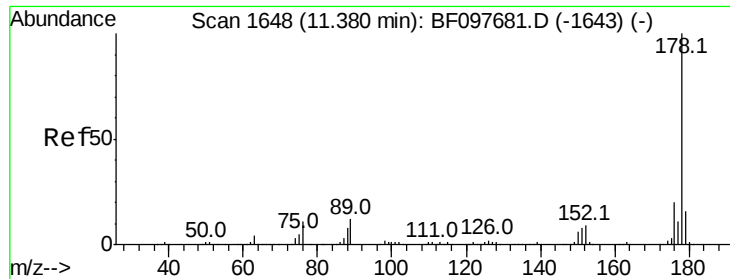
Sohil
 8/22/2017 5:44:45 PM



#70
 Phenanthrene
 Concen: 42.514 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:	178	Resp:	730807
Ion Ratio		Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.9	12.6	19.0





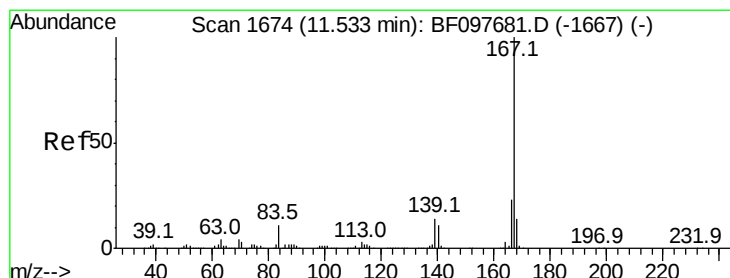
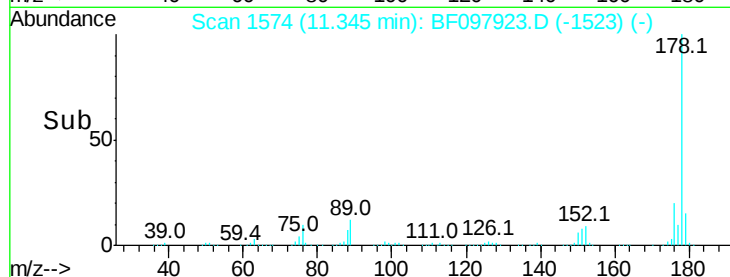
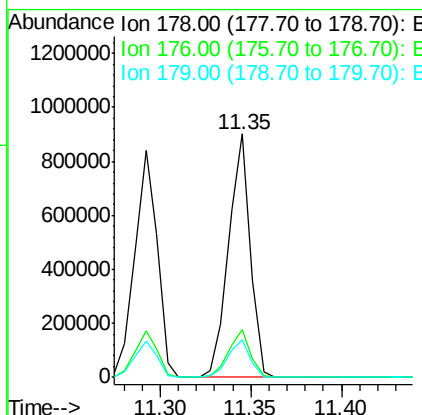
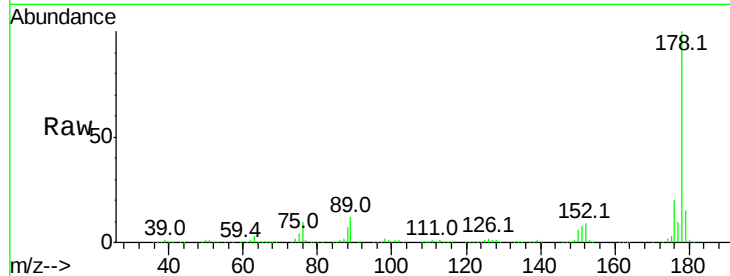
#71
 Anthracene
 Concen: 43.320 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	12.7	19.1

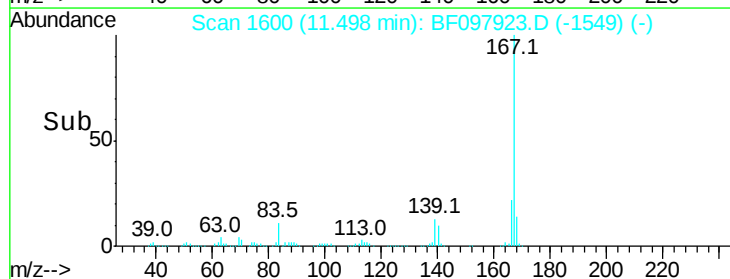
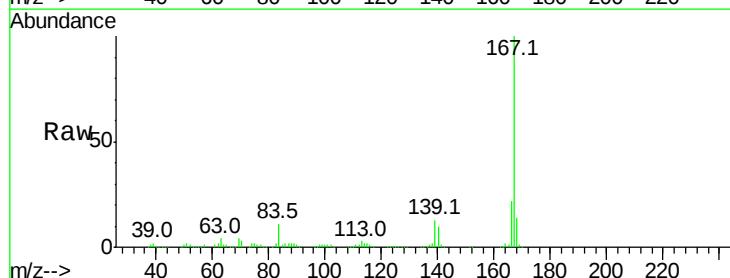
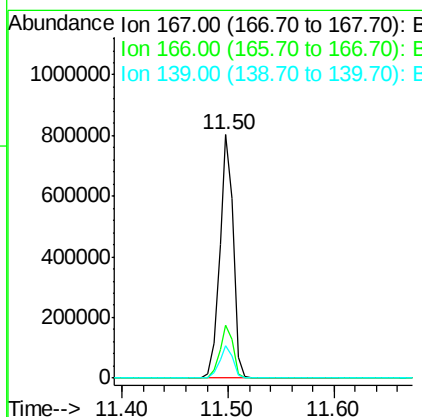
Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM



#72
 Carbazole
 Concen: 43.709 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.5	11.7	17.5





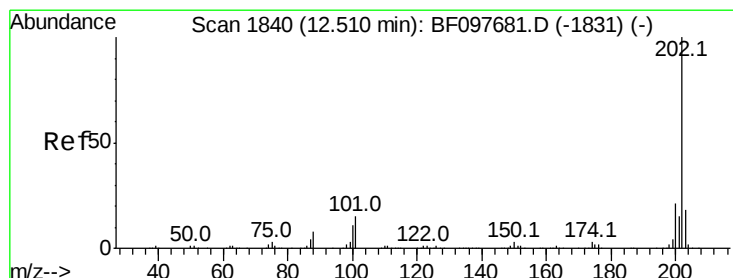
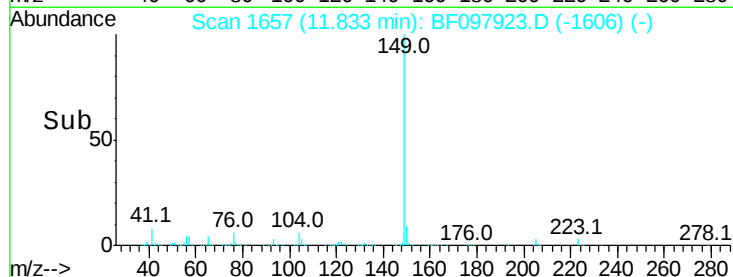
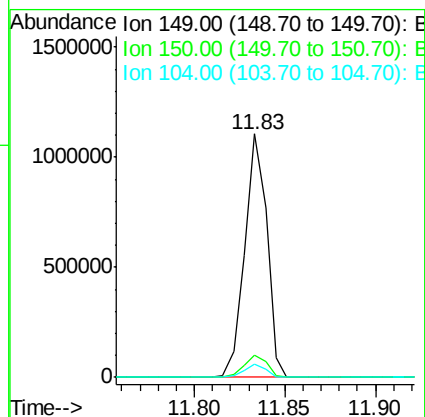
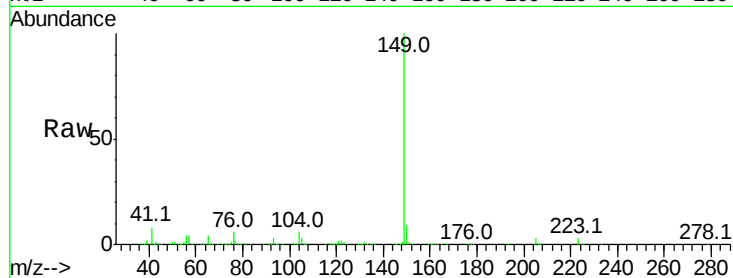
#73
Di-n-butylphthalate
Concen: 49.119 ng
RT: 11.83 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion:	149	Resp:	936346
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.7	11.5
104	5.5	4.0	6.0

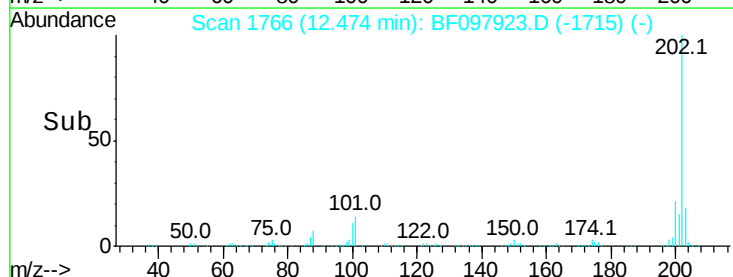
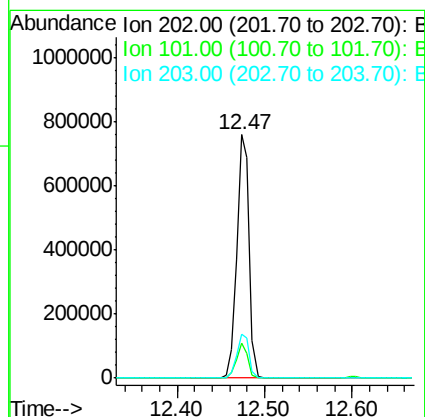
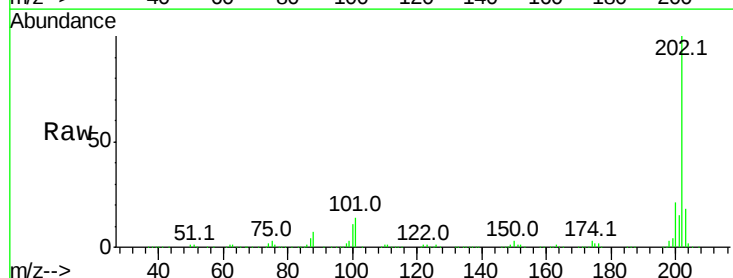
Manual Integrations
APPROVED

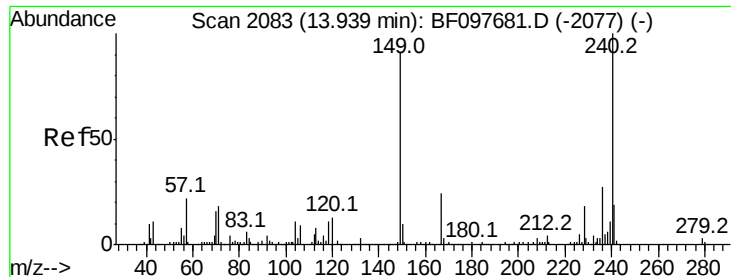
Sohil
8/22/2017 5:44:45 PM



#74
Fluoranthene
Concen: 40.388 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:	202	Resp:	724636
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

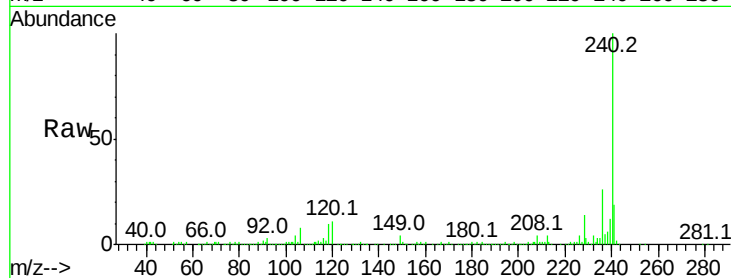
ClientSampleId :

CLEAN-SAND-6MSD

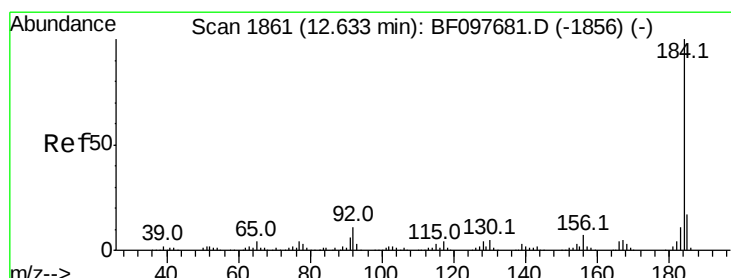
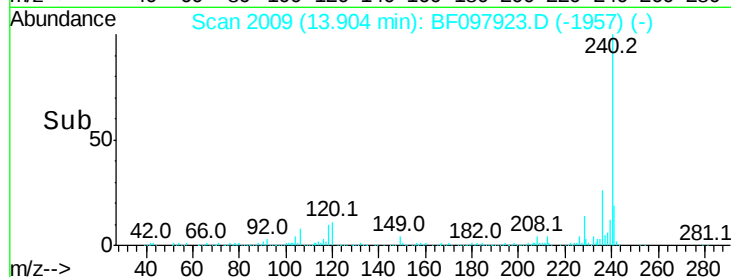
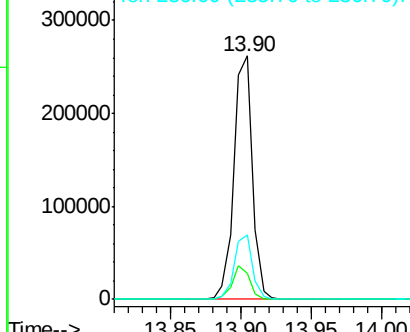
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	5.8	8.8#
236	26.5	20.5	30.7

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 82.725 ng

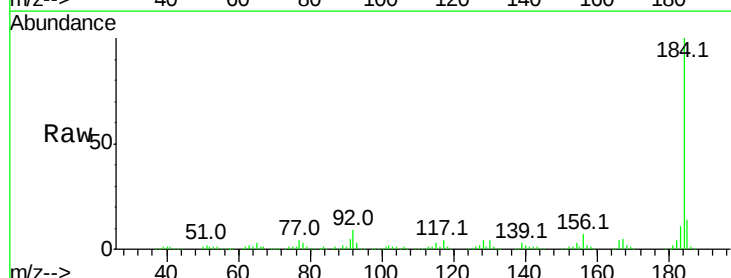
RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

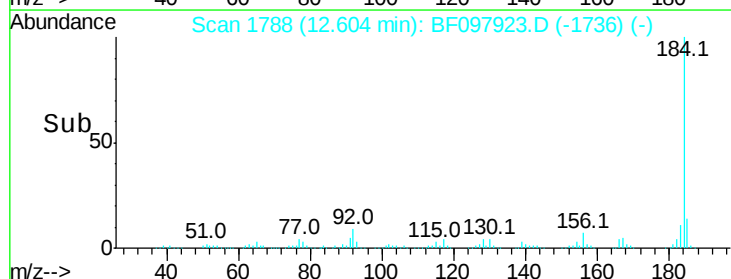
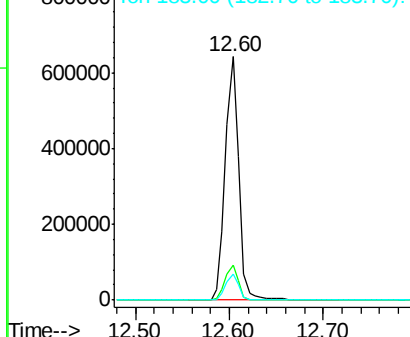
Lab File: BF097923.D

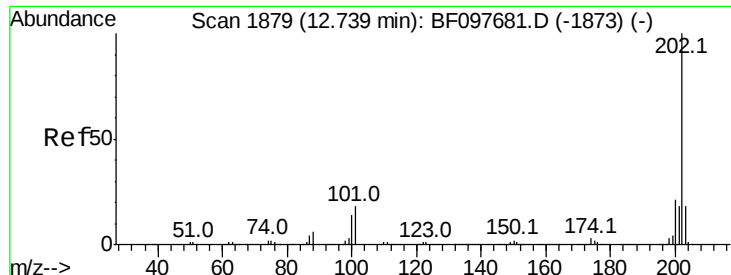
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.3	15.5	23.3#
183	10.9	9.8	14.6



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





#77

Pvrene

Concen: 38.256 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

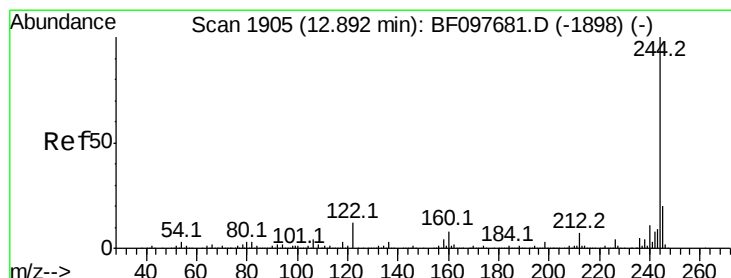
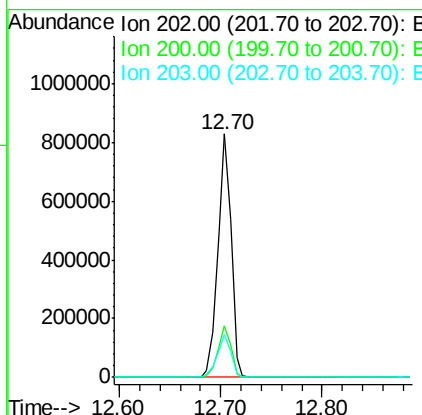
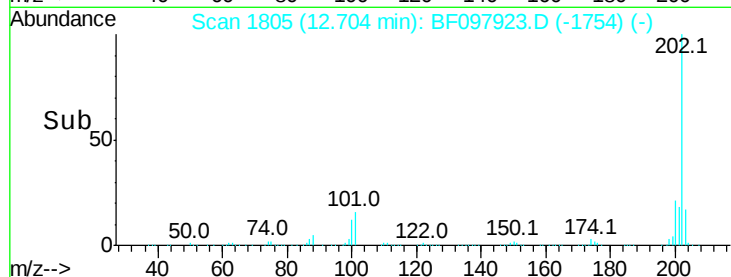
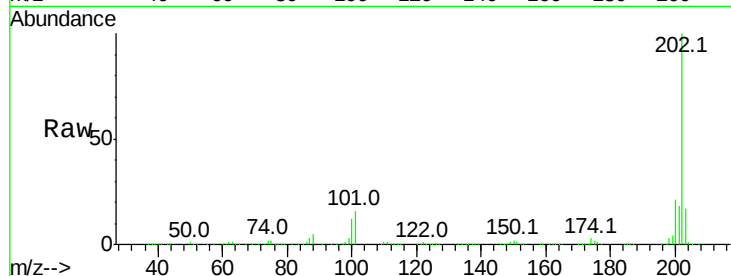
ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.5	14.4	21.6

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM



#78

Terphenyl-d14

Concen: 72.060 ng

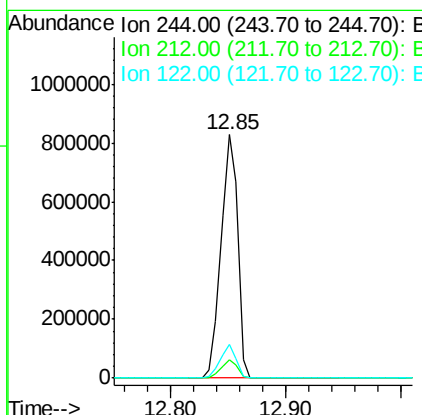
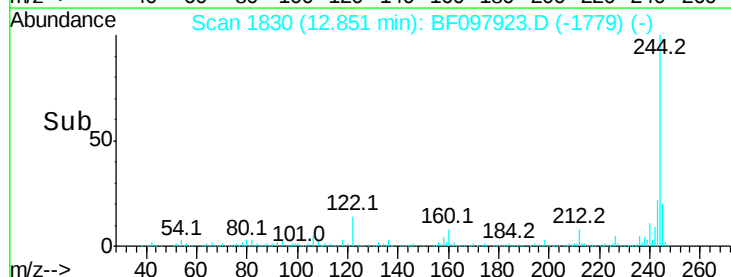
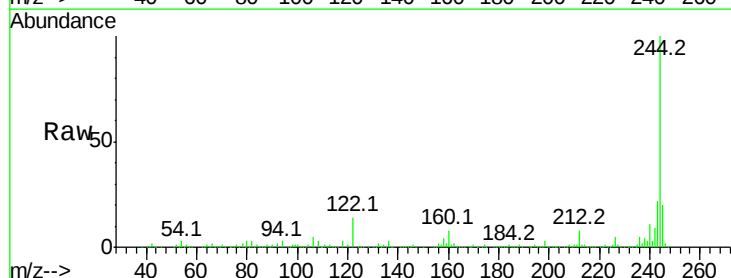
RT: 12.85 min Scan# 1830

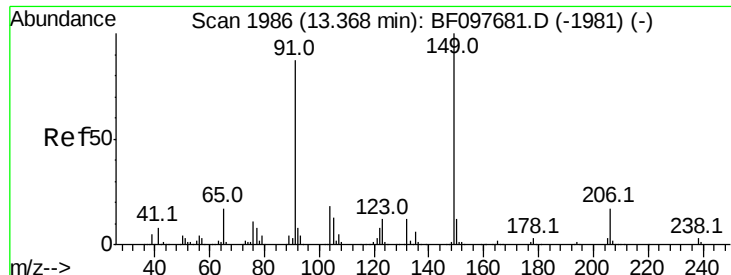
Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.9	10.3	15.5





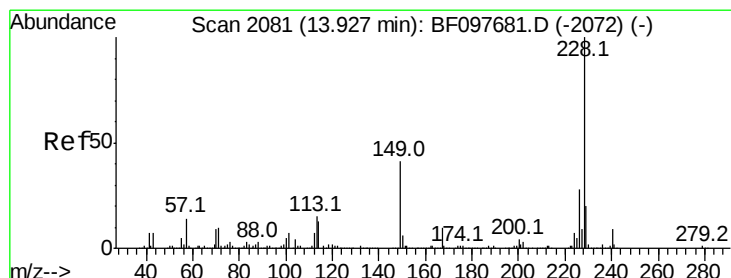
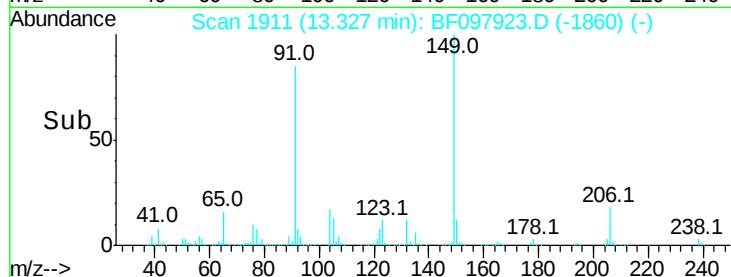
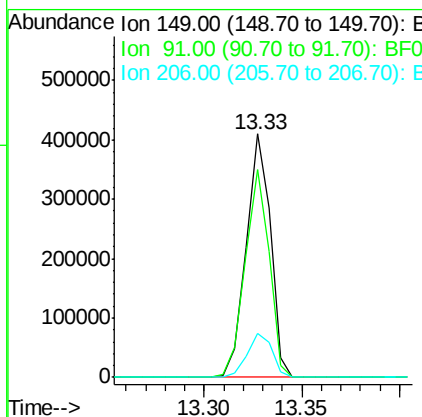
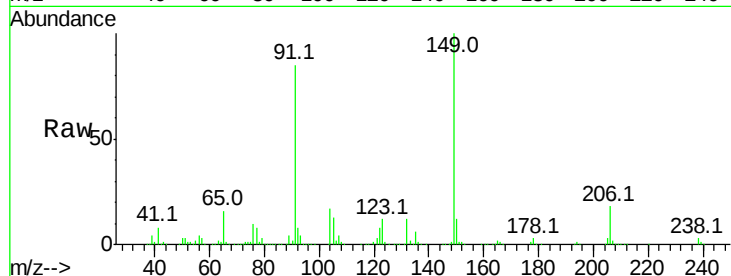
#79
Butylbenzylphthalate
Concen: 47.172 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	353968		
91	85.2	45.0	67.4#	
206	18.1	17.0	25.6	

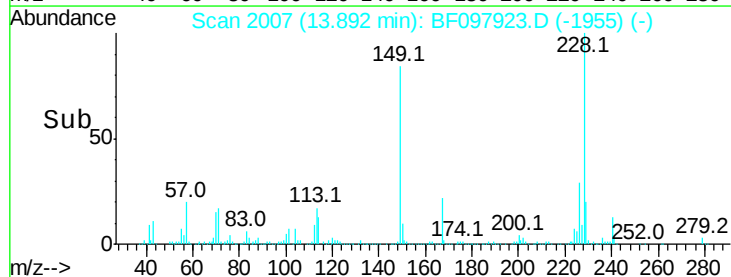
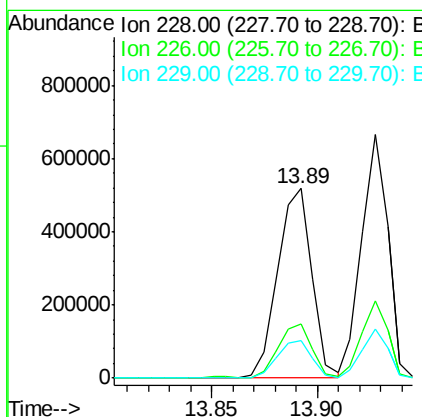
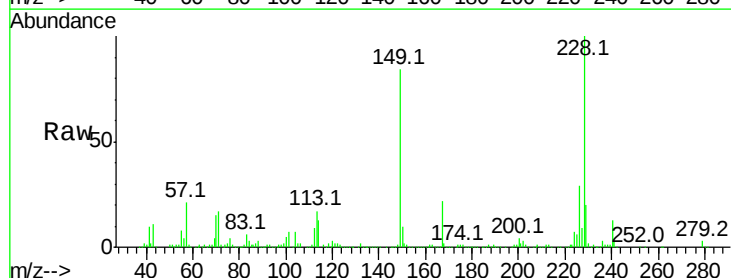
Manual Integrations
APPROVED

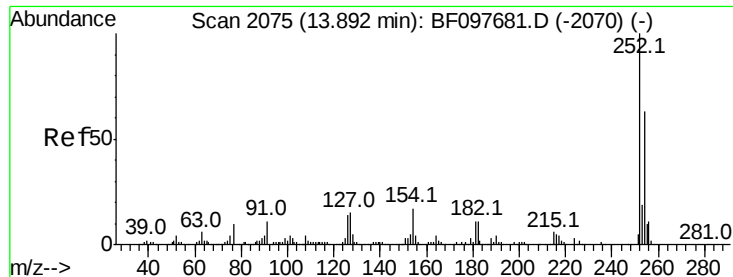
Sohil
8/22/2017 5:44:45 PM



#80
Benzo(a)anthracene
Concen: 40.663 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	583191		
226	28.9	22.6	33.8	
229	19.6	16.3	24.5	





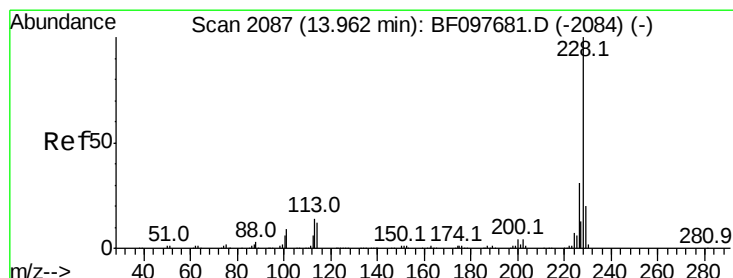
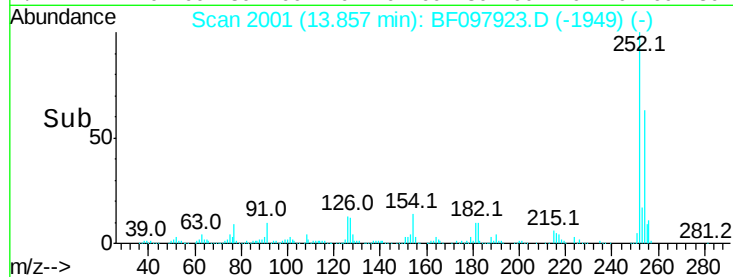
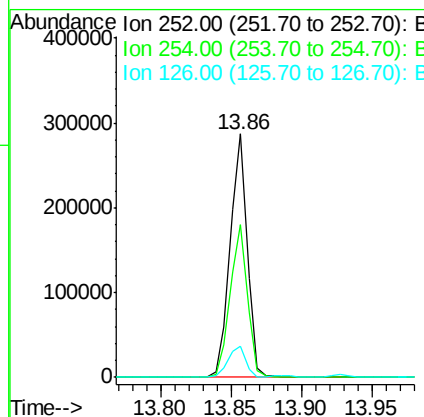
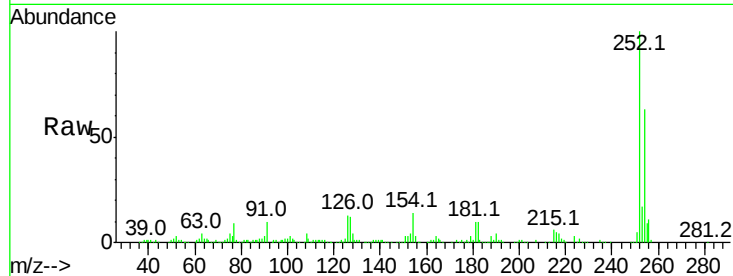
#81
 3,3'-Dichlorobenzidine
 Concen: 50.204 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	62.7	51.5	77.3
126	12.9	15.8	23.8

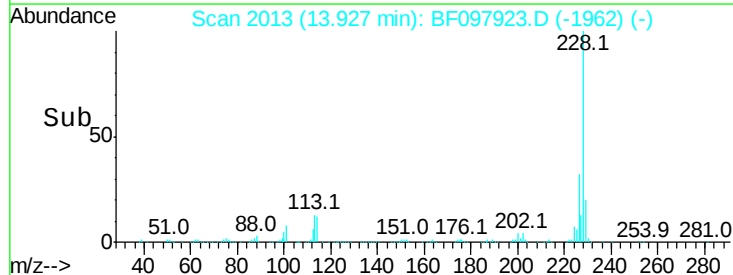
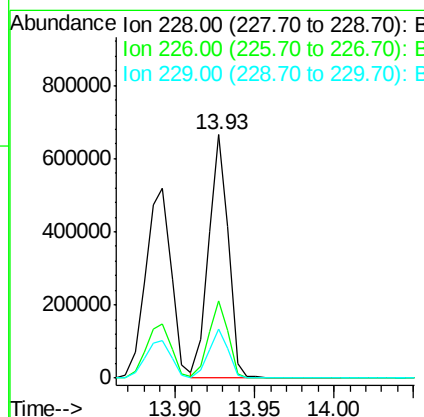
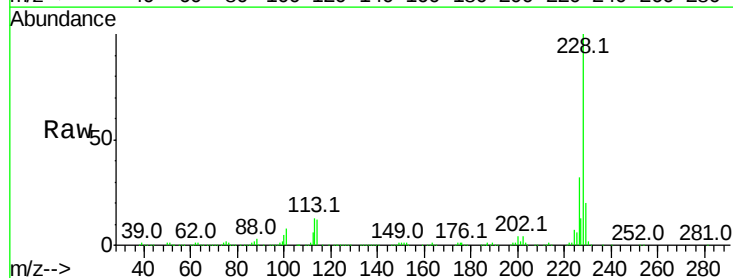
Manual Integrations
 APPROVED

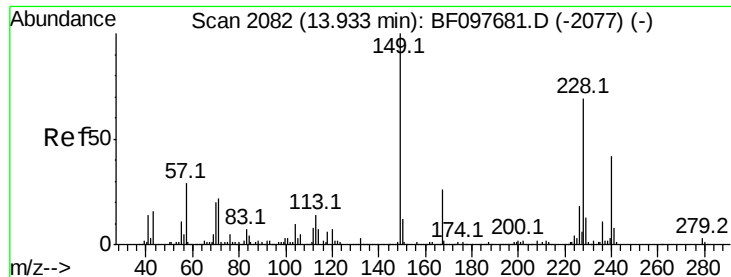
Sohil
 8/22/2017 5:44:45 PM



#82
 Chrysene
 Concen: 40.600 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.8	24.9	37.3
229	20.0	15.8	23.6





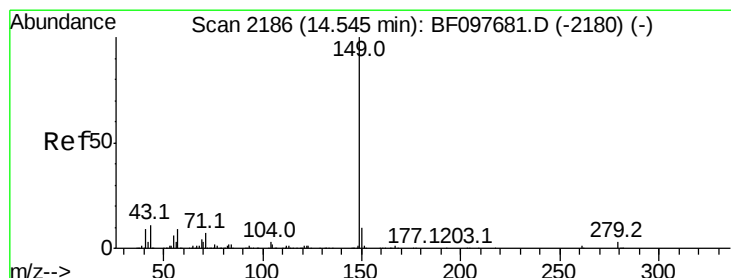
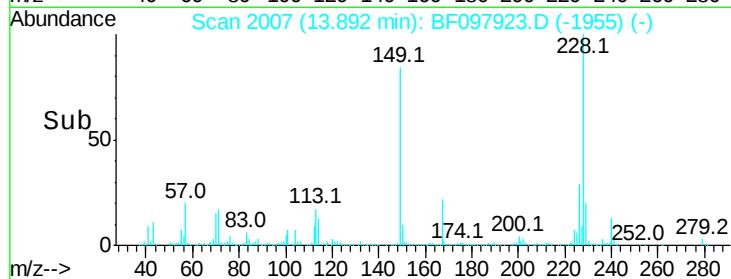
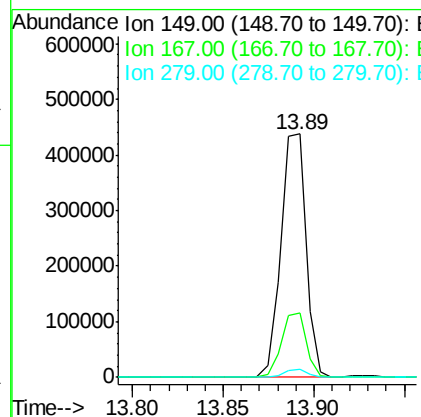
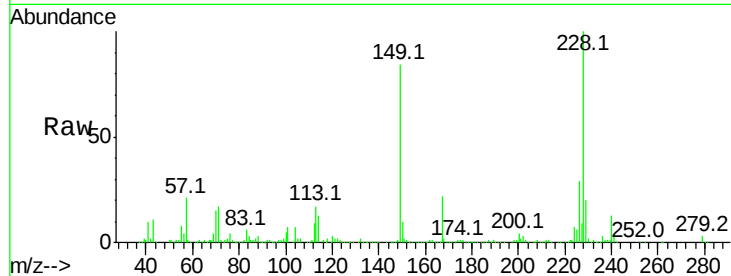
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.048 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.3	21.0	31.4	
279	3.4	1.9	2.9	

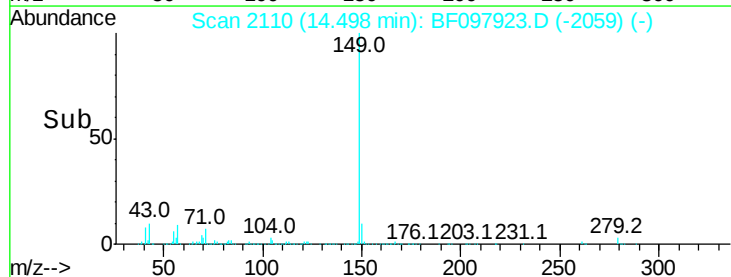
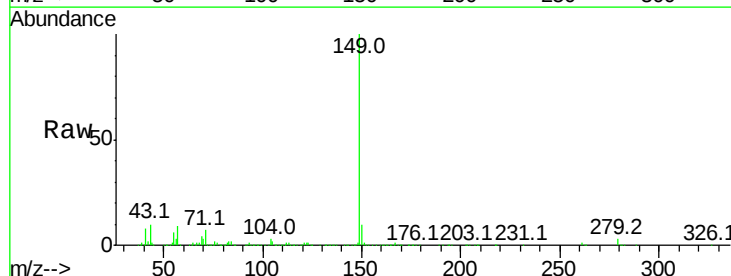
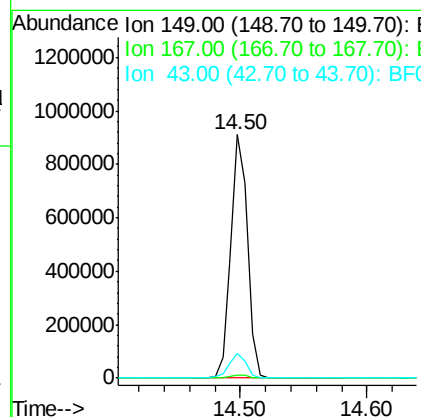
Manual Integrations
 APPROVED

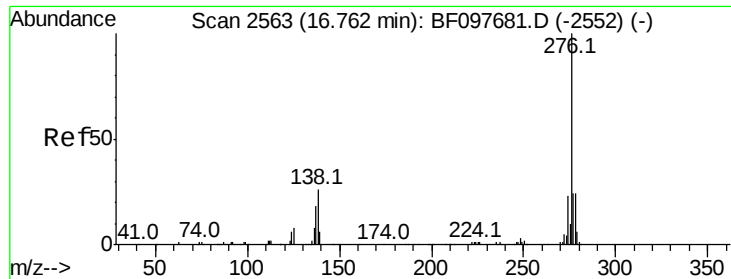
Sohil
 8/22/2017 5:44:45 PM



#84
 Di-n-octyl phthalate
 Concen: 57.077 ng
 RT: 14.50 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.2	1.8	
43	10.2	8.5	12.7	





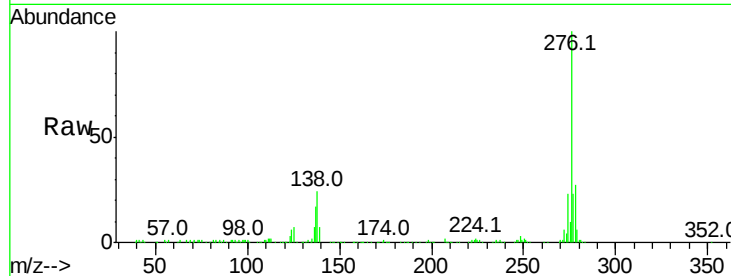
#85
Indeno(1,2,3-cd)pyrene
Concen: 40.334 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

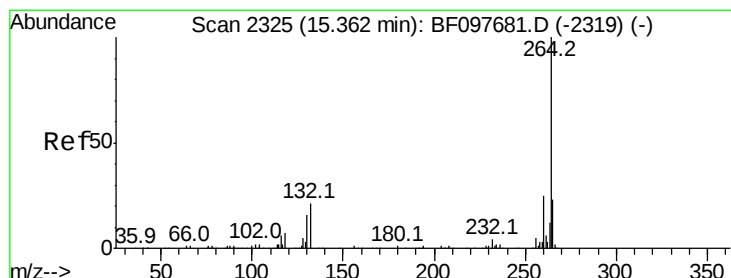
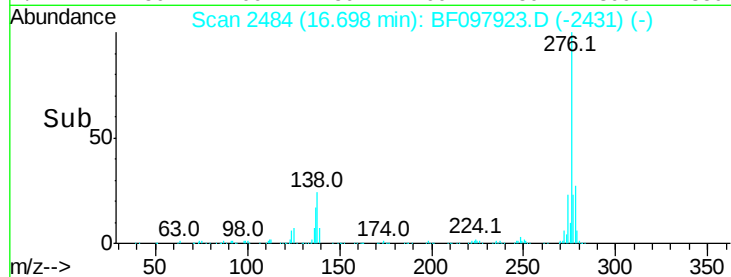
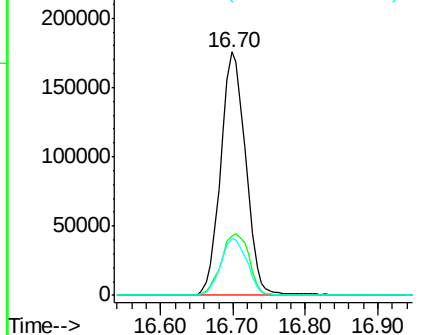
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	24.8	20.2	30.4

Manual Integrations
APPROVED

Sohil
8/22/2017 5:44:45 PM

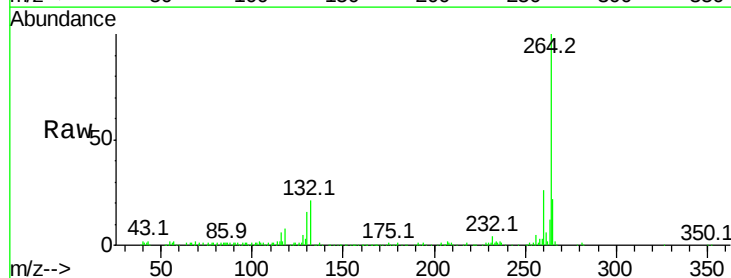


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

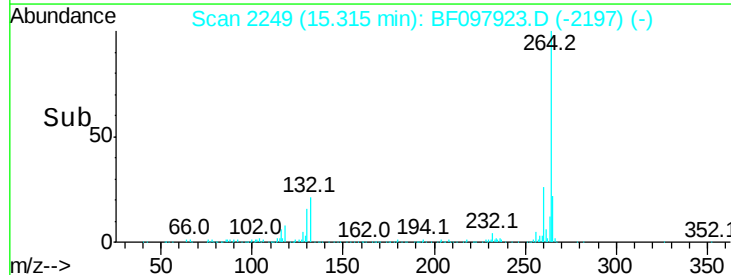
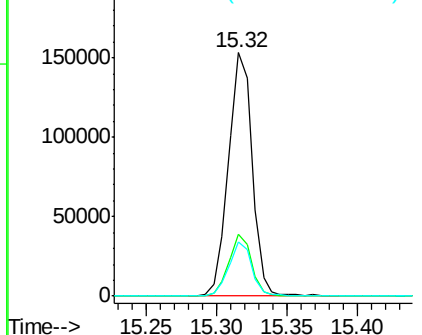


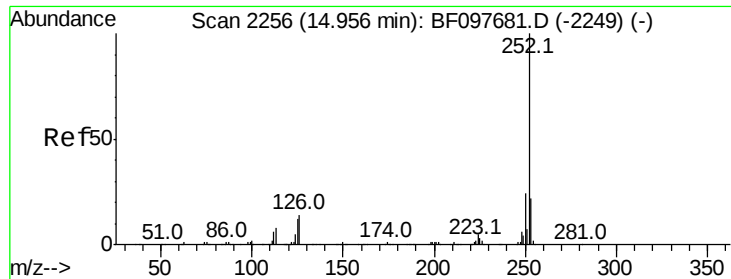
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	22.5	17.2	25.8



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





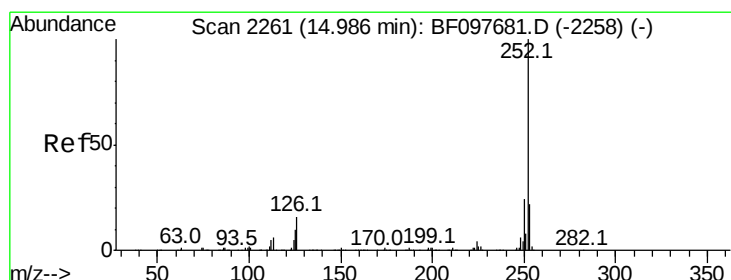
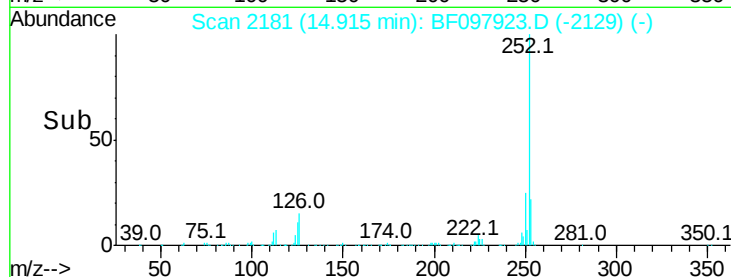
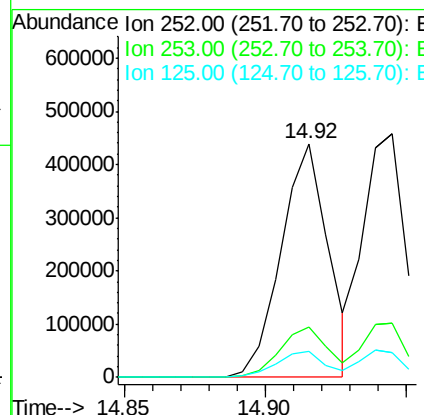
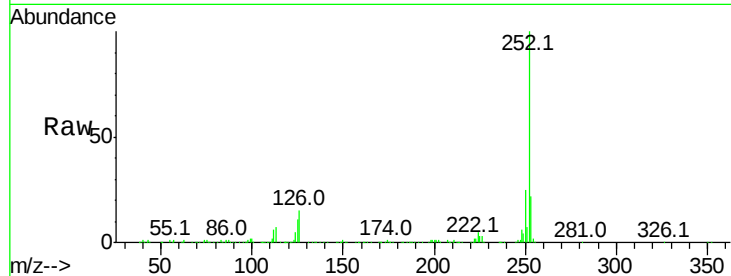
#87
Benzo(b)fluoranthene
Concen: 44.564 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	507452		
253	21.7		18.1	27.1
125	11.1		9.8	14.8

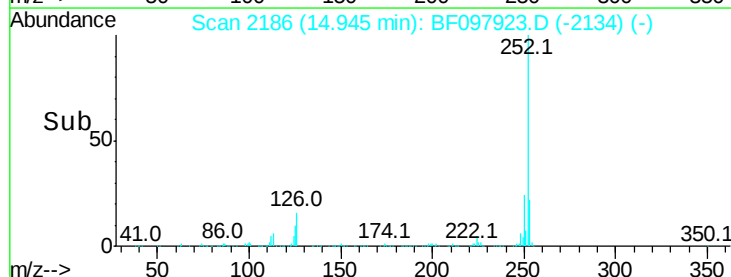
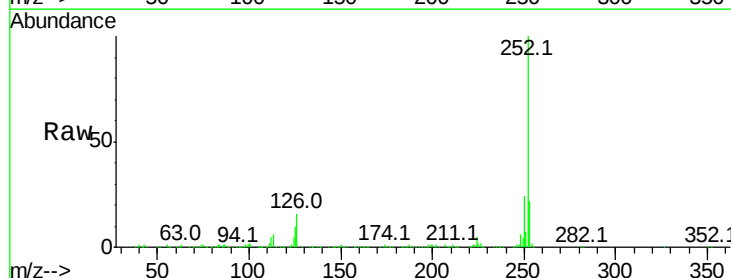
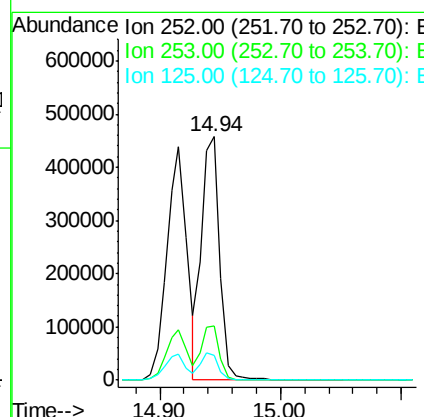
Manual Integrations
APPROVED

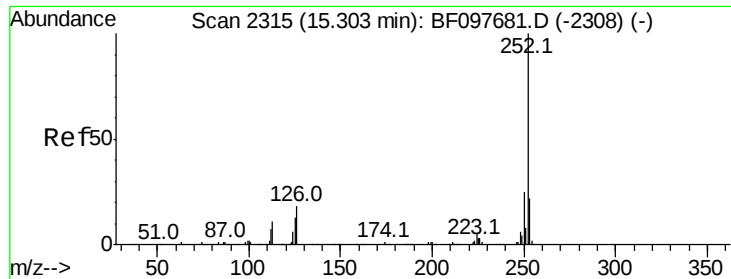
Sohil
8/22/2017 5:44:45 PM



#88
Benzo(k)fluoranthene
Concen: 44.725 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	478475		
253	22.2		18.4	27.6
125	10.1		13.1	19.7





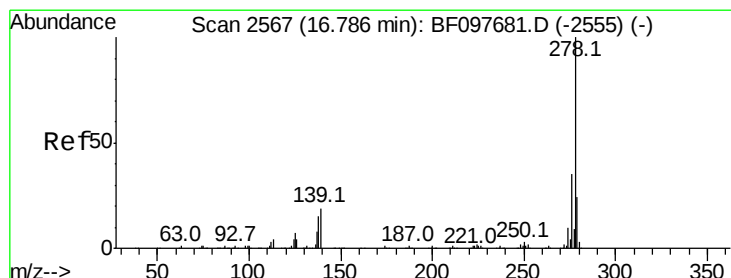
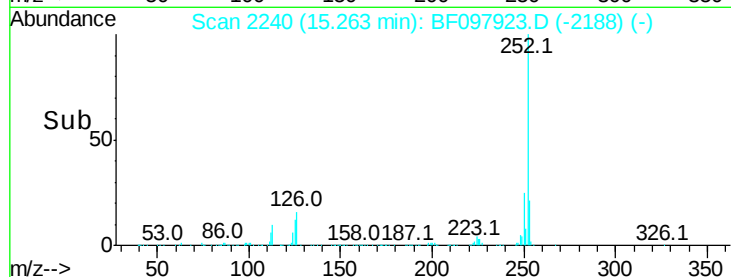
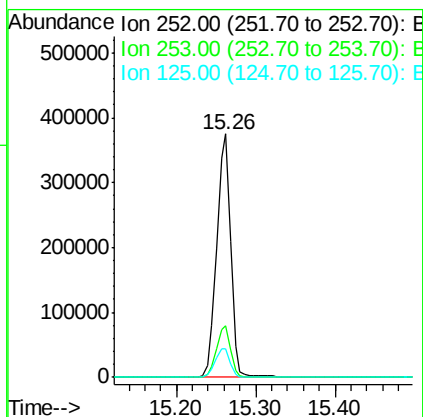
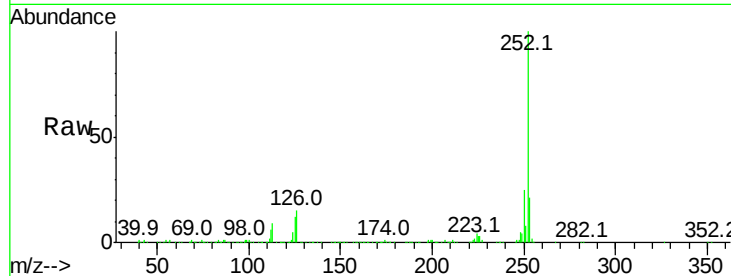
#89
Benzo(a)pyrene
Concen: 45.692 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.5	26.3
125	11.7	11.0	16.4

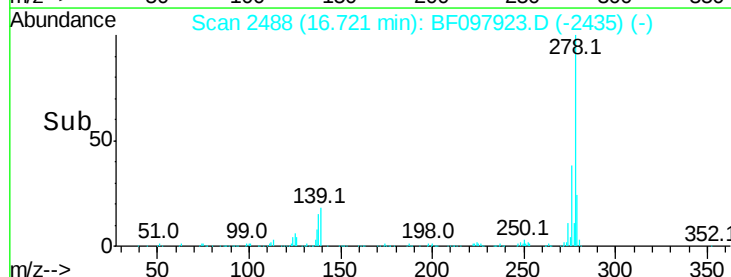
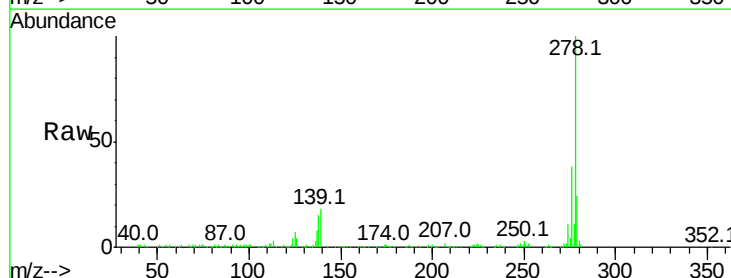
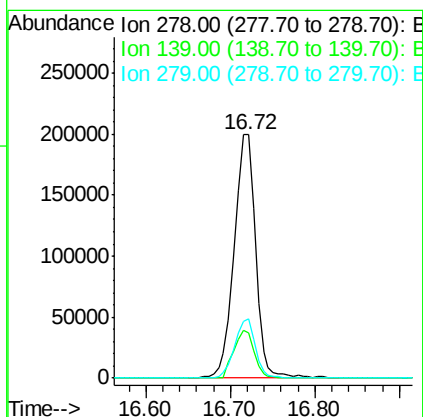
Manual Integrations
APPROVED

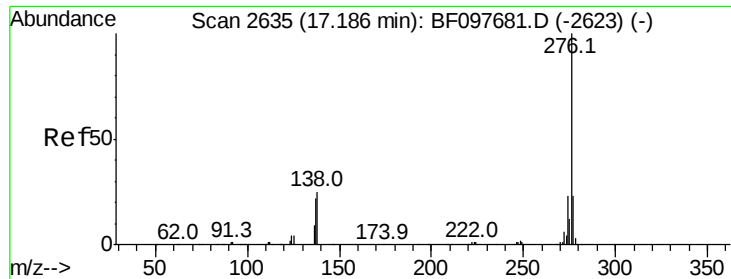
Sohil
8/22/2017 5:44:45 PM



#90
Dibenzo(a,h)anthracene
Concen: 42.544 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	16.6	24.8
279	24.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 38.915 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:	276	Resp:	333229
Ion Ratio		Lower	Upper
276	100		
277	24.5	18.6	28.0
138	26.0	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:45 PM

