

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097922.D
 Acq On : 21 Aug 2017 23:06
 Operator : SJ/JU
 Sample : I4890-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 05:56:22 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	124295	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	471562	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	187360	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	310505	20.00	ng	0.00
75) Chrysene-d12	13.90	240	241547	20.00	ng	0.00
86) Perylene-d12	15.32	264	180889	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1037999	127.03	ng	0.02
7) Phenol-d6	6.40	99	1386456	124.87	ng	0.01
23) Nitrobenzene-d5	7.32	82	863780	99.51	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	199465	122.70	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1110248	87.06	ng	0.00
78) Terphenyl-d14	12.85	244	752393	64.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	153429	33.667	ng	89
3) Pyridine	3.22	79	426859	33.882	ng	86
4) n-Nitrosodimethylamine	3.16	42	182337	37.614	ng	79
6) Aniline	6.42	93	509000	32.634	ng	99
8) 2-Chlorophenol	6.54	128	333185	38.663	ng	98
9) Benzaldehyde	6.30	77	248510	35.337	ng	87
10) Phenol	6.41	94	530043	40.819	ng	86
11) bis(2-Chloroethyl)ether	6.49	93	376446	38.410	ng	98
12) 1,3-Dichlorobenzene	6.69	146	332968	35.920	ng	# 94
13) 1,4-Dichlorobenzene	6.77	146	334494	35.480	ng	# 94
14) 1,2-Dichlorobenzene	6.92	146	311485	35.832	ng	99
15) Benzyl Alcohol	6.90	79	330643	39.777	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	488606	37.053	ng	90
17) 2-Methylphenol	7.01	107	303113	39.913	ng	95
18) Hexachloroethane	7.26	117	115468	31.239	ng	# 80
19) n-Nitroso-di-n-propylamine	7.17	70	273443	35.977	ng	89
20) 3+4-Methylphenols	7.16	107	352680	38.022	ng	94
22) Acetophenone	7.16	105	481257	38.632	ng	# 93
24) Nitrobenzene	7.34	77	428025	44.285	ng	95
25) Isophorone	7.57	82	748626	41.476	ng	95
26) 2-Nitrophenol	7.65	139	146761	42.579	ng	# 77
27) 2,4-Dimethylphenol	7.69	122	300227	39.883	ng	92
28) bis(2-Chloroethoxy)methane	7.79	93	472183	39.791	ng	98
29) 2,4-Dichlorophenol	7.89	162	253547	40.576	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	255783	36.925	ng	99
31) Naphthalene	8.06	128	911380	37.228	ng	99
32) Benzoic acid	7.77	122	35901	12.077	ng	87
33) 4-Chloroaniline	8.10	127	326928	31.665	ng	99
34) Hexachlorobutadiene	8.17	225	147911	36.571	ng	98
35) Caprolactam	8.47	113	87689m	41.278	ng	
36) 4-Chloro-3-methylphenol	8.59	107	301961	37.611	ng	# 82
37) 2-Methylnaphthalene	8.75	142	571217	38.058	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	231965	40.342	ng	98
40) Hexachlorocyclopentadiene	8.90	237	71209	25.778	ng	98

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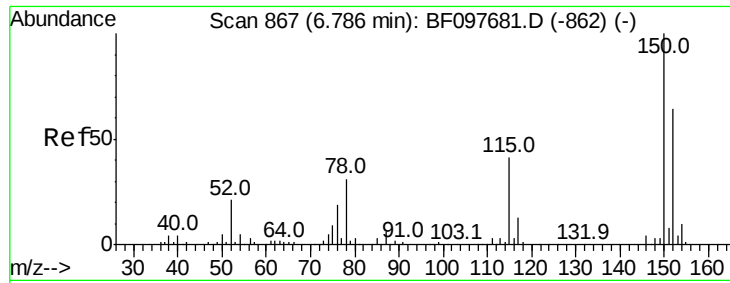
Manual Integrations
 APPROVED

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

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.03	196	164434	42.595	nq	99
43) 2,4,5-Trichlorophenol	9.07	196	165061	43.099	nq	96
45) 1,1'-Biphenyl	9.21	154	663890	38.857	nq	95
46) 2-Chloronaphthalene	9.23	162	478786	37.926	nq	# 92
47) 2-Nitroaniline	9.33	65	206008	48.677	nq	96
48) Acenaphthylene	9.65	152	766473	38.663	nq	98
49) Dimethylphthalate	9.52	163	801571	58.528	nq	99
50) 2,6-Dinitrotoluene	9.57	165	112375	41.107	nq	# 54
51) Acenaphthene	9.82	154	450409	36.024	nq	99
52) 3-Nitroaniline	9.74	138	143324	40.636	nq	85
53) 2,4-Dinitrophenol	9.85	184	9722	16.670	nq	# 76
54) Dibenzofuran	9.99	168	662276	39.523	nq	100
55) 4-Nitrophenol	9.90	139	198959	70.714	nq	# 31
56) 2,4-Dinitrotoluene	9.97	165	138262	40.301	nq	# 51
57) Fluorene	10.33	166	468577	36.169	nq	95
58) 2,3,4,6-Tetrachlorophenol	10.11	232	124331	41.931	nq	95
59) Diethylphthalate	10.22	149	579122	40.436	nq	99
60) 4-Chlorophenyl-phenylether	10.33	204	226329	37.604	nq	88
61) 4-Nitroaniline	10.35	138	136005	40.572	nq	# 67
62) Azobenzene	10.49	77	663083	38.977	nq	93
64) 4,6-Dinitro-2-methylphenol	10.38	198	11340	14.727	nq	88
65) n-Nitrosodiphenylamine	10.45	169	444836	42.070	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	132884	41.212	nq	97
67) Hexachlorobenzene	10.88	284	123666	37.628	nq	# 89
68) Atrazine	10.97	200	115998	41.367	nq	97
69) Pentachlorophenol	11.07	266	130603	68.157	nq	98
70) Phenanthrene	11.29	178	626012	37.835	nq	100
71) Anthracene	11.35	178	643481	38.344	nq	99
72) Carbazole	11.50	167	617927	38.791	nq	98
73) Di-n-butylphthalate	11.83	149	785505	42.810	nq	99
74) Fluoranthene	12.47	202	642371	37.196	nq	99
76) Benzidine	12.60	184	608411	76.822	nq	# 92
77) Pyrene	12.70	202	657026	33.257	nq	99
79) Butylbenzylphthalate	13.33	149	309833	40.905	nq	# 70
80) Benzo(a)anthracene	13.89	228	526086	36.340	nq	98
81) 3,3'-Dichlorobenzidine	13.86	252	215961	44.208	nq	# 94
82) Chrysene	13.93	228	530418	36.832	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	382328	45.552	nq	# 98
84) Di-n-octyl phthalate	14.50	149	731916	50.118	nq	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	375173	35.414	nq	93
87) Benzo(b)fluoranthene	14.92	252	449775	39.447	nq	98
88) Benzo(k)fluoranthene	14.94	252	426378	39.803	nq	# 92
89) Benzo(a)pyrene	15.26	252	404583	40.082	nq	96
90) Dibenzo(a,h)anthracene	16.72	278	313039	38.094	nq	98
91) Benzo(g,h,i)perylene	17.12	276	306488	35.744	nq	93

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



#1

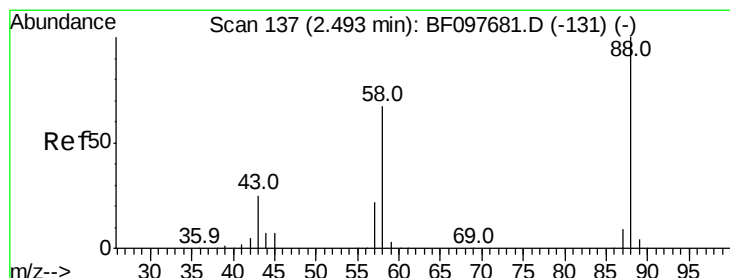
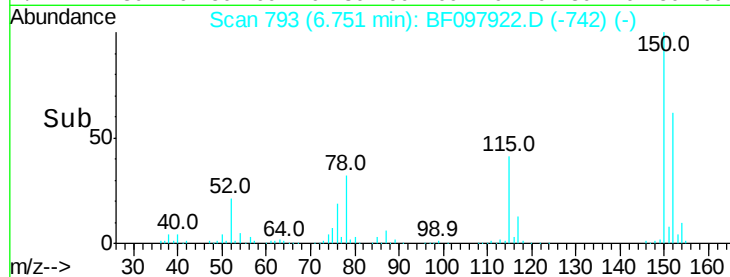
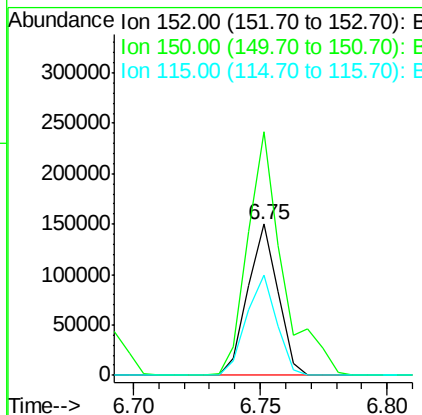
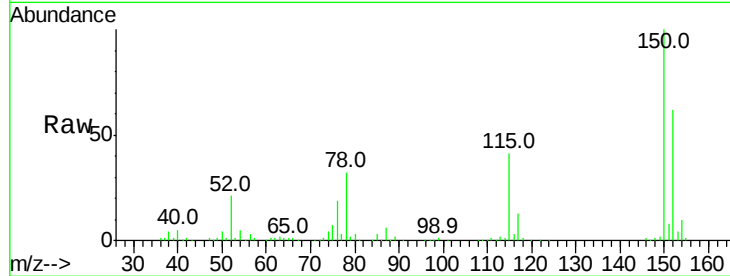
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	66.4	52.2	78.2

Manual Integrations
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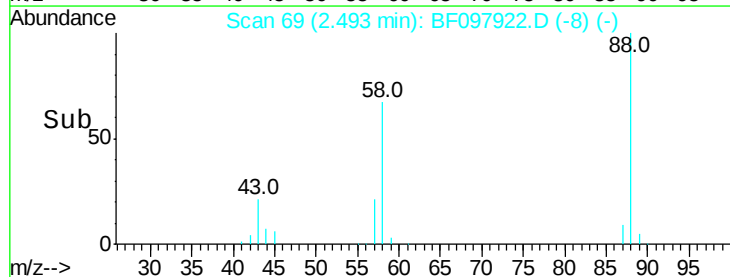
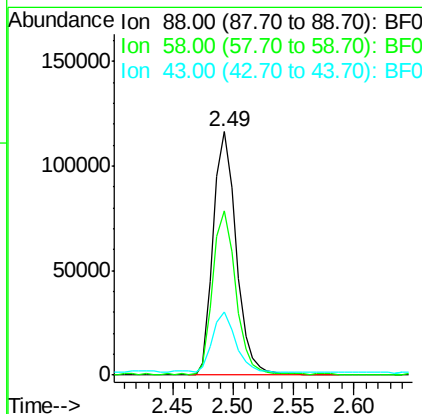
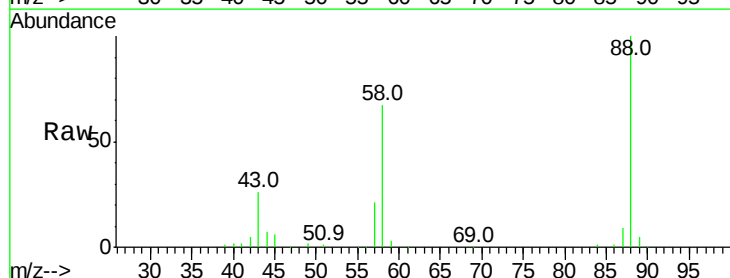
Sohil
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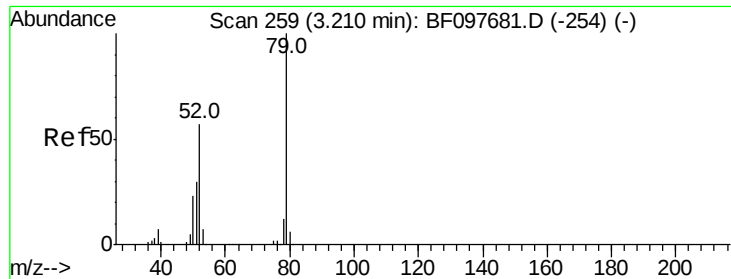


#2

1,4-Dioxane
 Concen: 33.667 ng
 RT: 2.49 min Scan# 69
 Delta R.T. 0.06 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.8	61.4	92.0
43	24.7	23.4	35.0





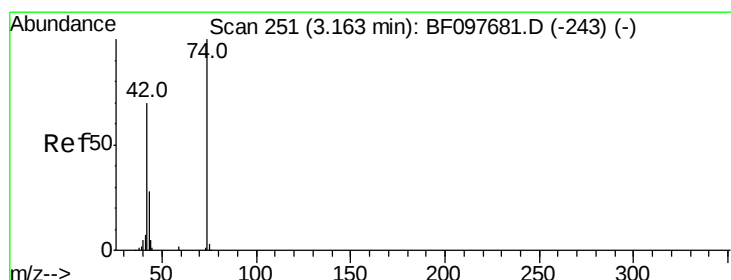
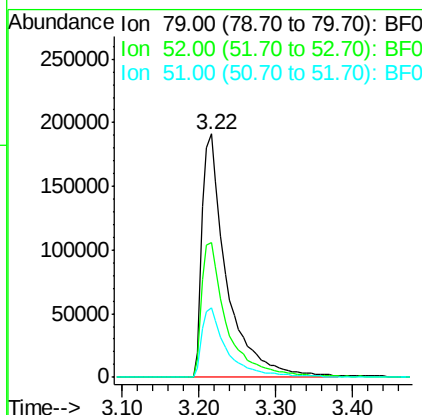
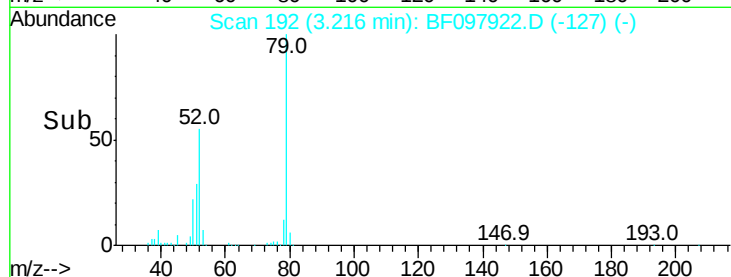
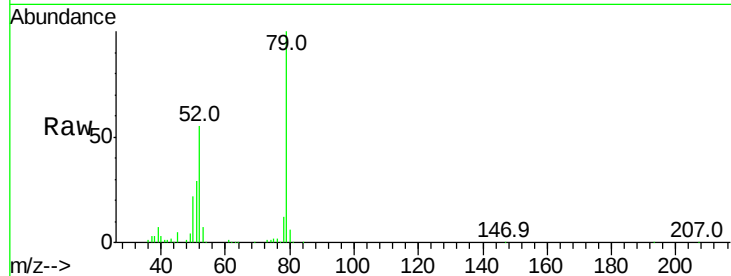
#3
 Pvridine
 Concen: 33.882 ng
 RT: 3.22 min Scan# 192
 Delta R.T. 0.08 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	55.4	54.8	82.2
51	28.7	27.0	40.4

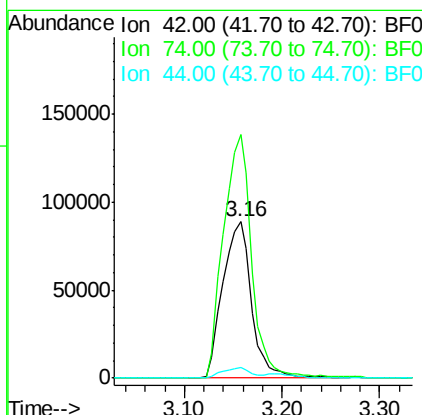
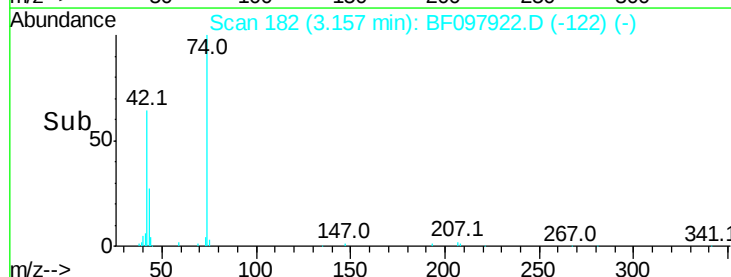
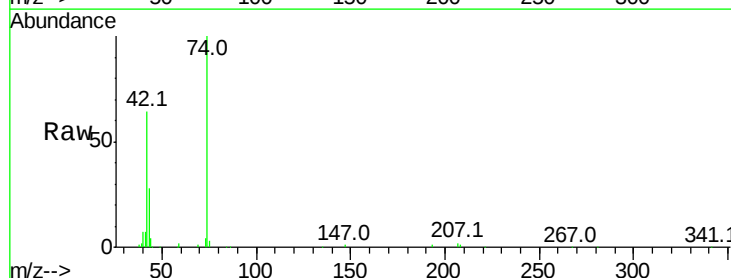
Manual Integrations
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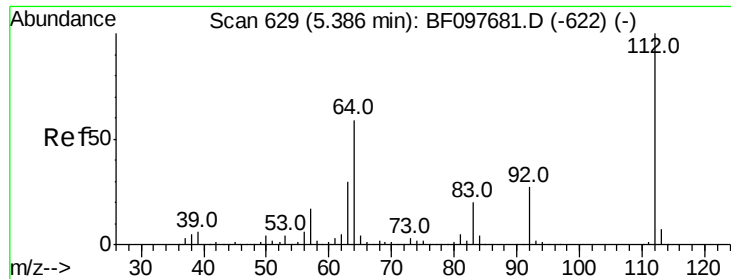
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#4
 n-Nitrosodimethylamine
 Concen: 37.614 ng
 RT: 3.16 min Scan# 182
 Delta R.T. 0.05 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

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





#5
 2-Fluorophenol
 Concen: 127.026 ng
 RT: 5.37 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

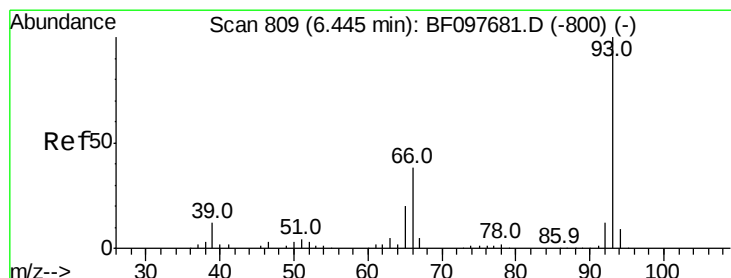
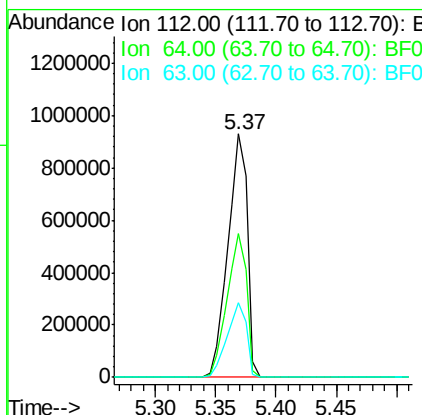
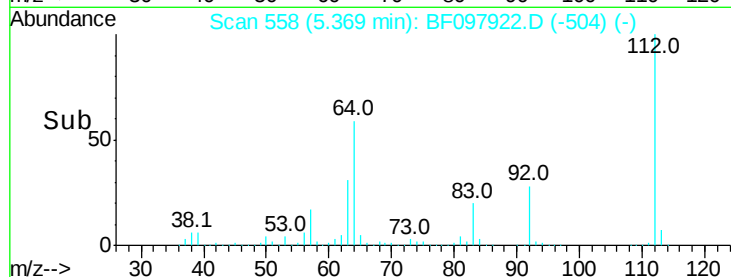
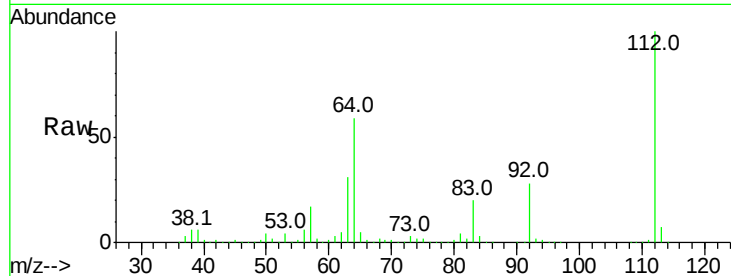
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion: 112 Resp: 1037999

Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	30.5	23.4	35.0

Manual Integrations
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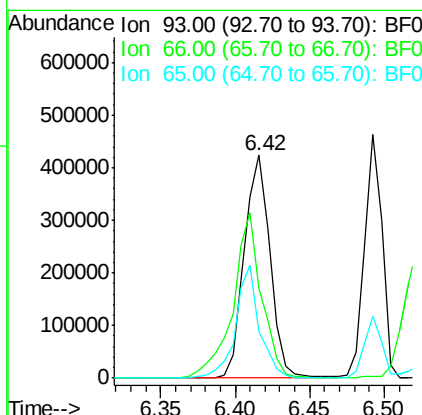
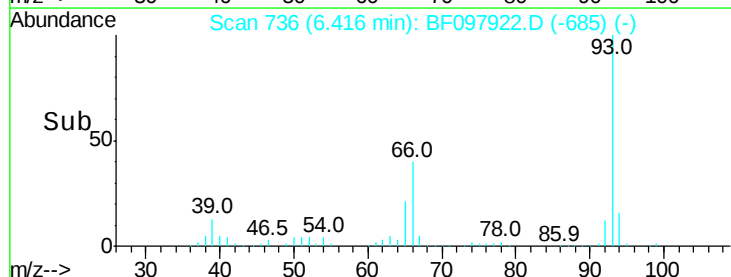
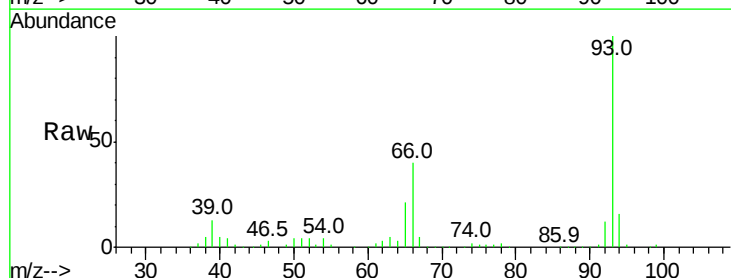
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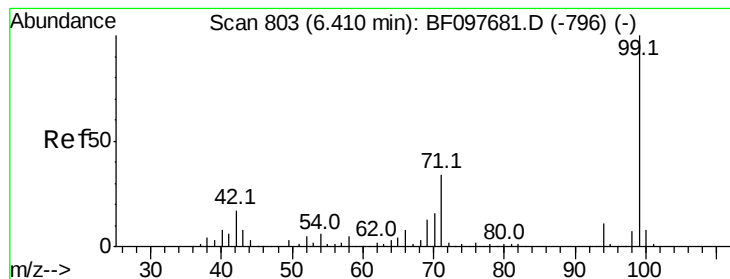


#6
 Aniline
 Concen: 32.634 ng
 RT: 6.42 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion: 93 Resp: 509000

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.9	49.3
65	20.7	16.0	24.0





#7

Phenol-d6

Concen: 124.875 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion: 99 Resp: 1386456

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

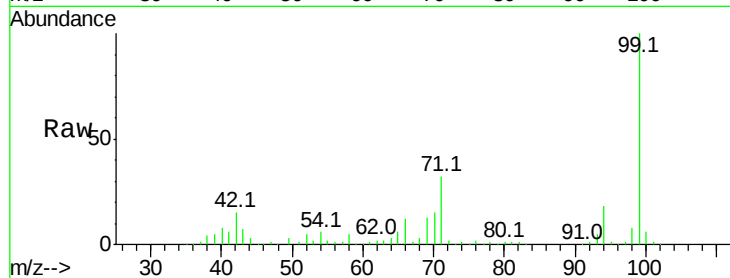
71 31.9 24.5 36.7

Manual Integrations

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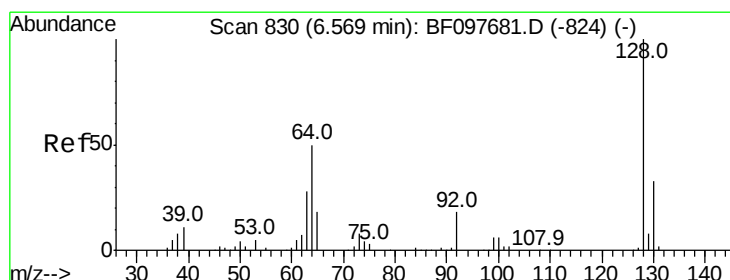
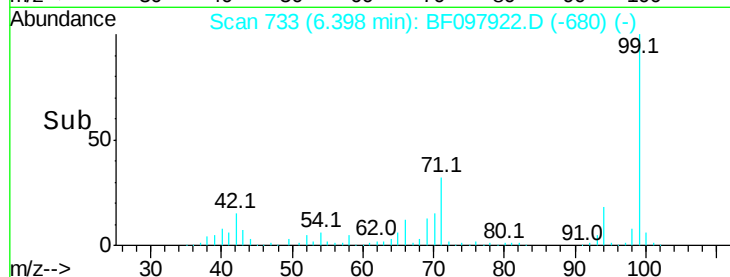
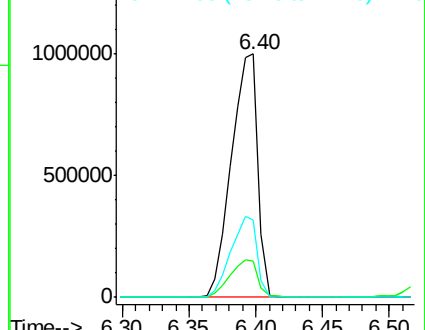
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 38.663 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

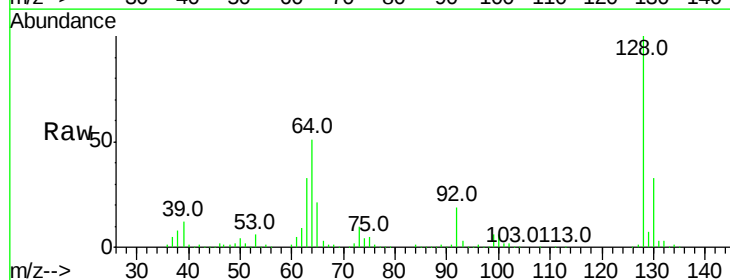
Tgt Ion:128 Resp: 333185

Ion Ratio Lower Upper

128 100

130 33.2 12.9 52.9

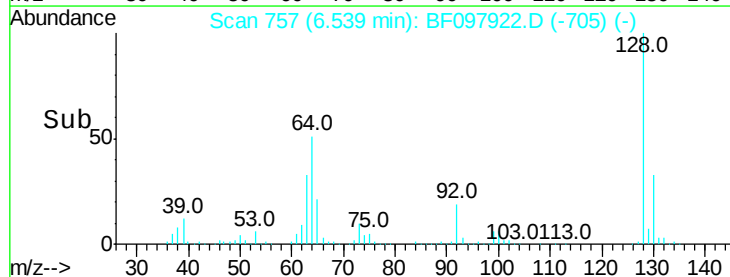
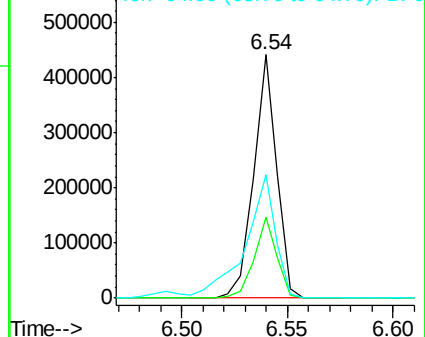
64 50.8 28.4 68.4

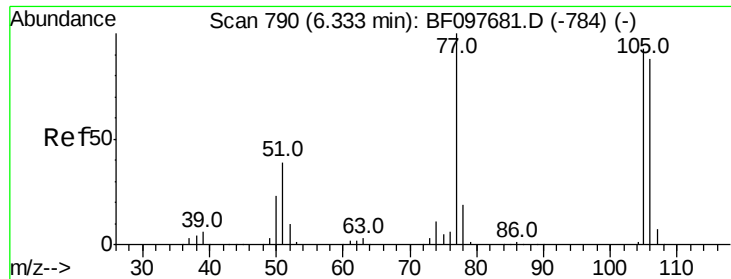


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 35.337 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

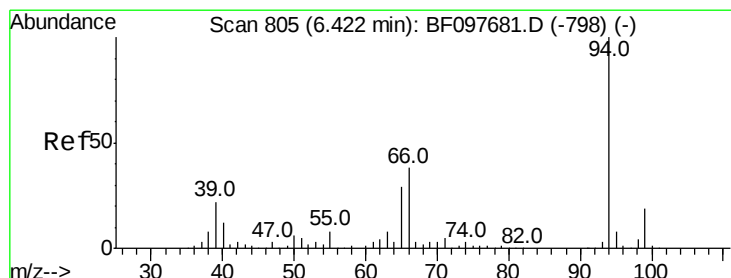
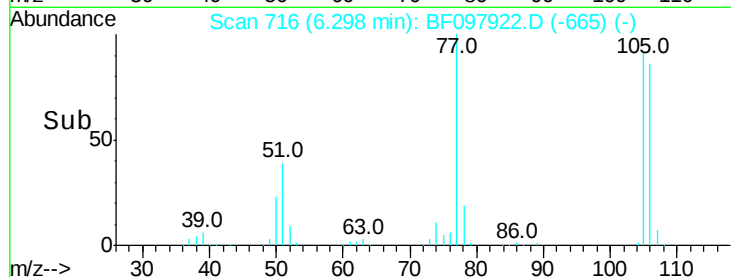
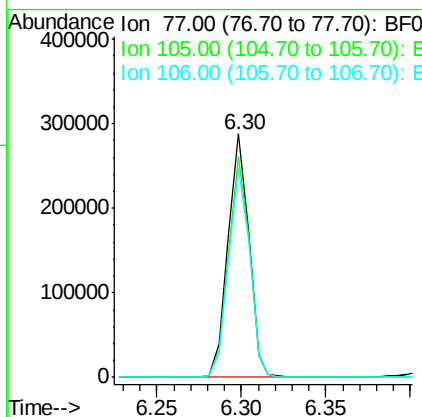
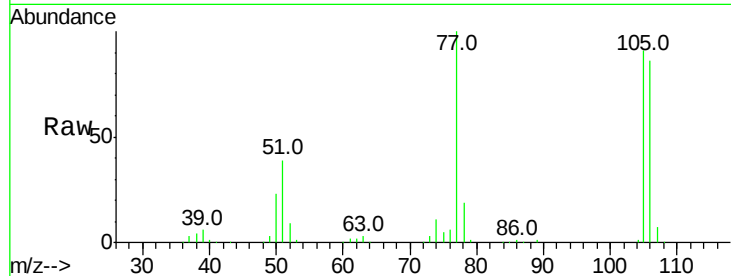
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	77	Resp:	248510
Ion Ratio	Lower	Upper	
77	100		
105	90.8	83.8	123.8
106	86.0	79.1	119.1

Manual Integrations
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8/22/2017 5:44:44 PM



#10

Phenol

Concen: 40.819 ng

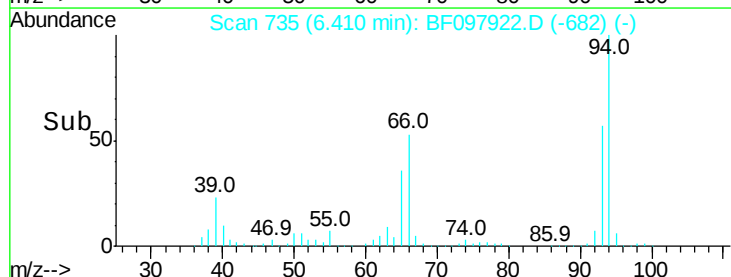
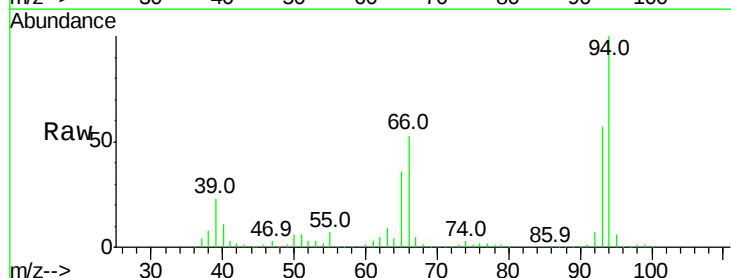
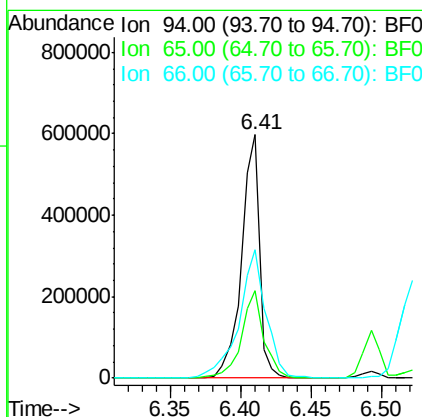
RT: 6.41 min Scan# 735

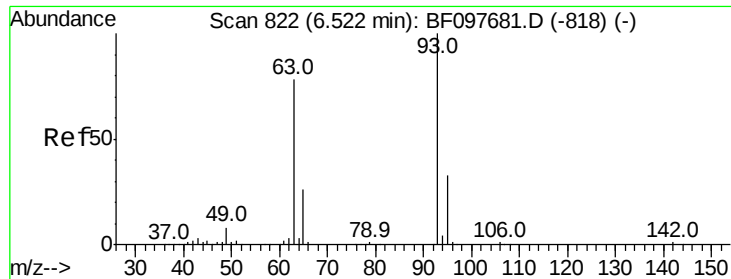
Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion:	94	Resp:	530043
Ion Ratio	Lower	Upper	
94	100		
65	36.1	9.9	49.9
66	52.8	23.1	63.1





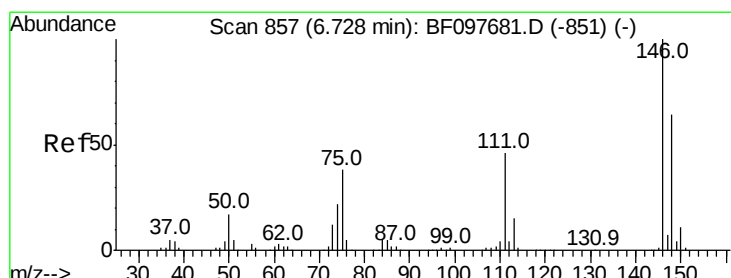
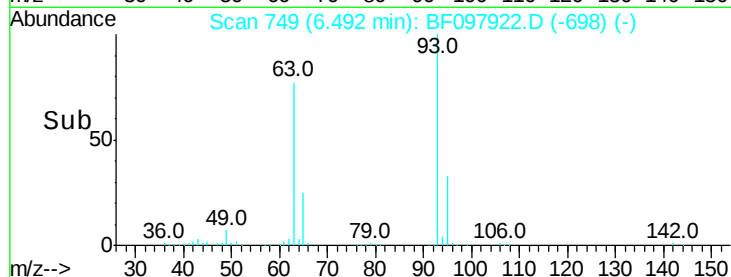
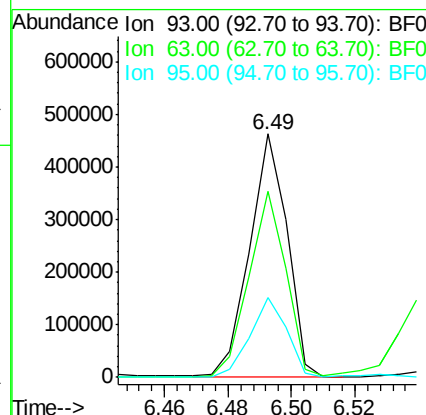
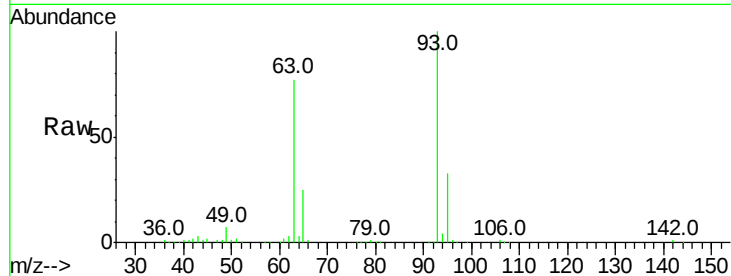
#11
bis(2-Chloroethyl)ether
Concen: 38.410 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.5	59.2	99.2
95	32.6	12.8	52.8

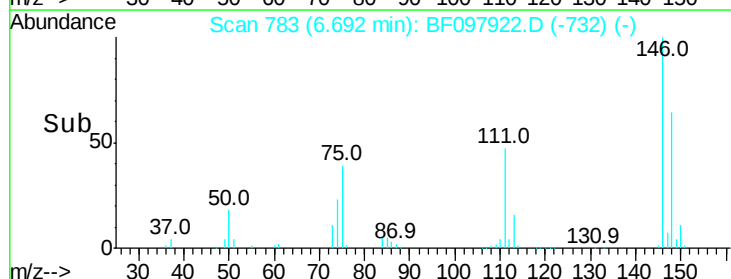
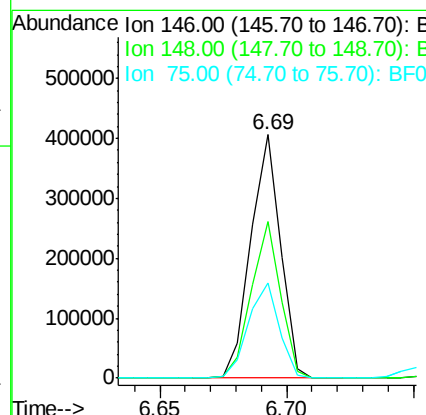
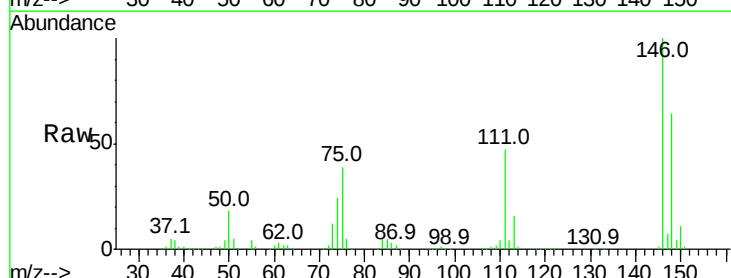
Manual Integrations
APPROVED

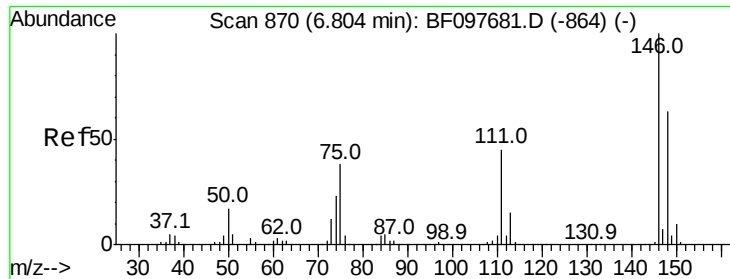
Sohil
8/22/2017 5:44:44 PM



#12
1,3-Dichlorobenzene
Concen: 35.920 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.6
75	39.0	23.1	34.7





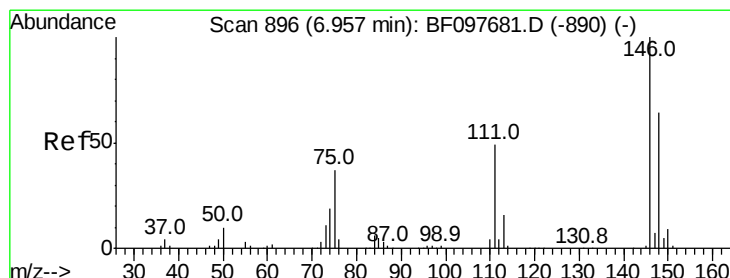
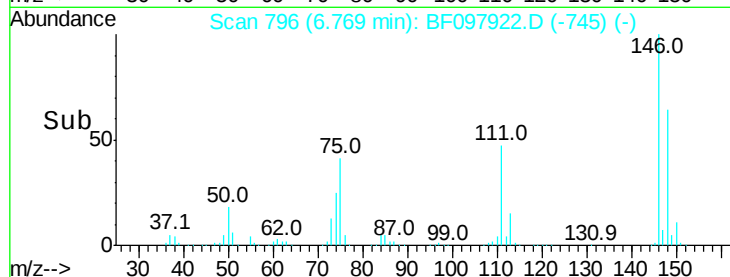
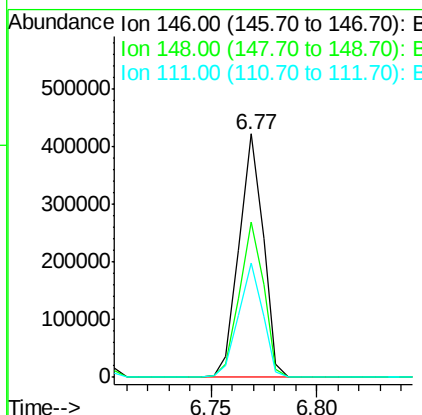
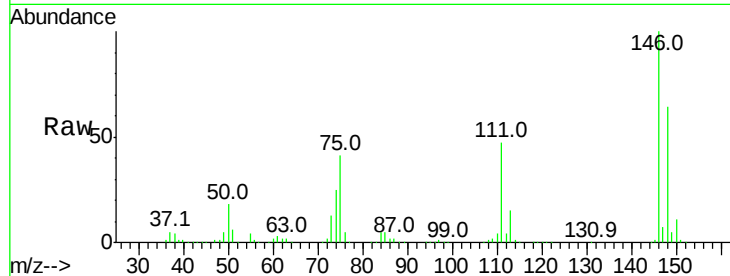
#13
 1,4-Dichlorobenzene
 Concen: 35.480 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	46.7	30.3	45.5

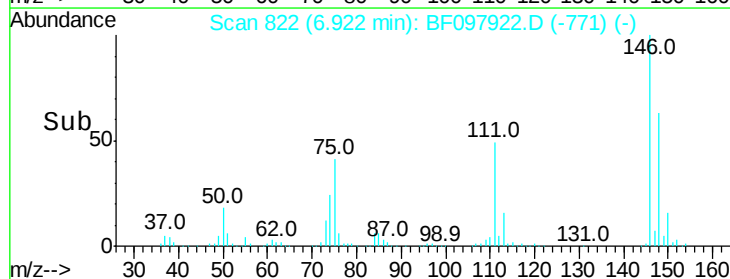
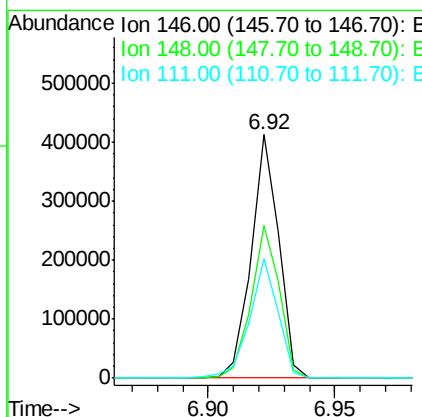
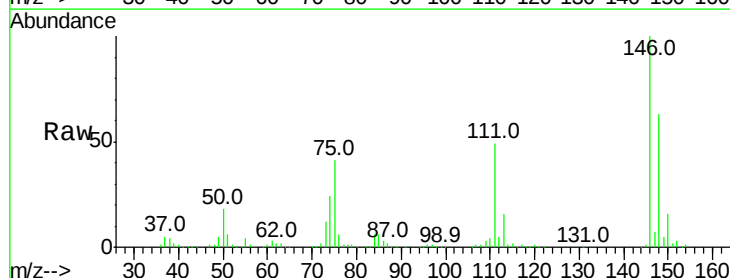
Manual Integrations
 APPROVED

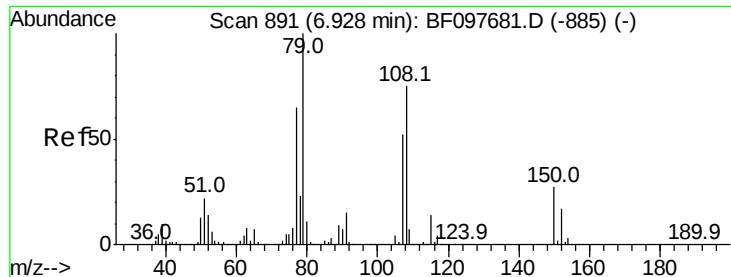
Sohil
 8/22/2017 5:44:44 PM



#14
 1,2-Dichlorobenzene
 Concen: 35.832 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.4	75.6
111	48.9	38.2	57.4





#15

Benzyl Alcohol

Concen: 39.777 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

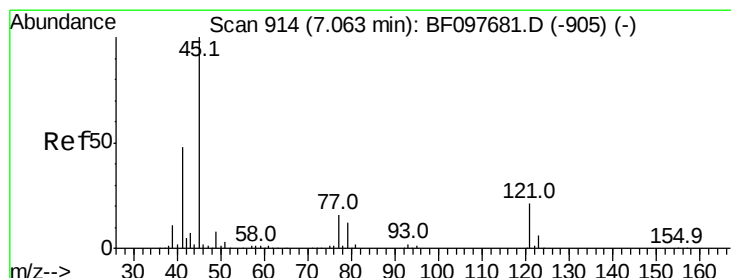
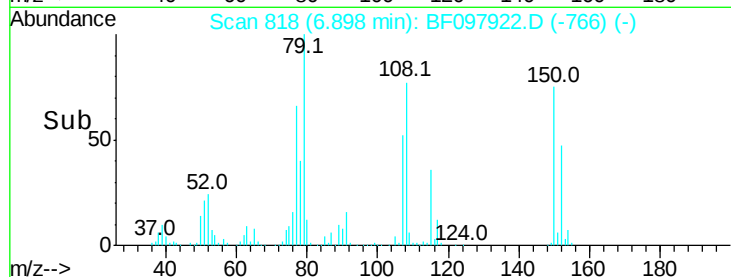
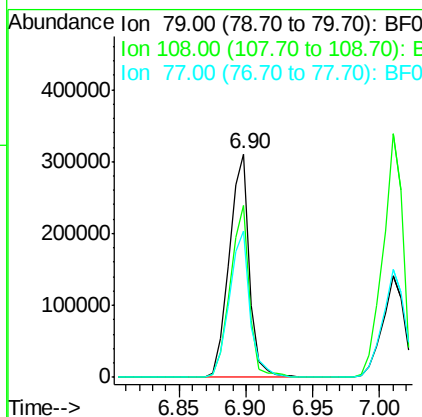
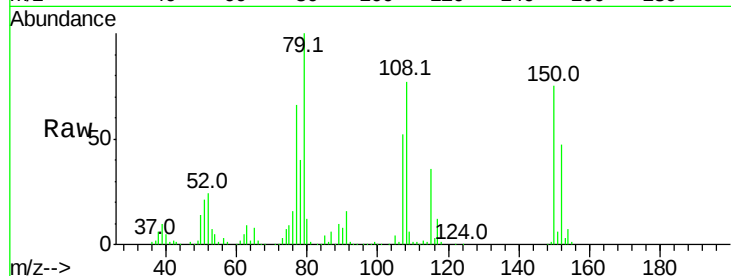
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	79	Resp:	330643
Ion Ratio	Lower	Upper	
79	100		
108	76.6	63.4	95.0
77	65.6	49.2	73.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.053 ng

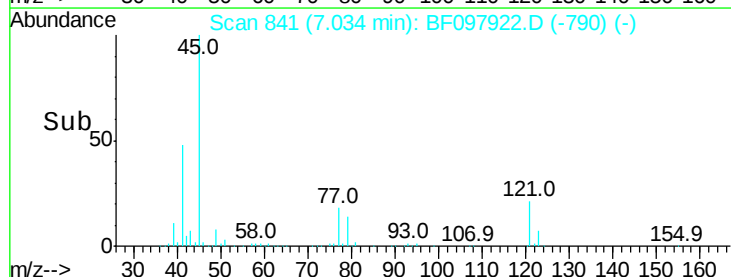
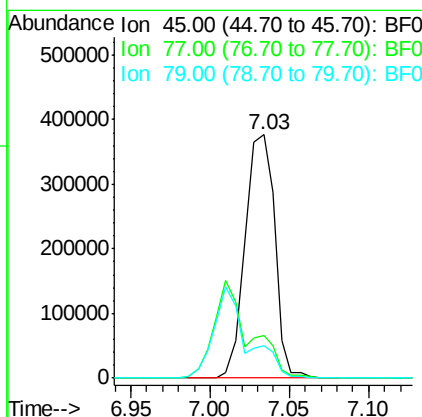
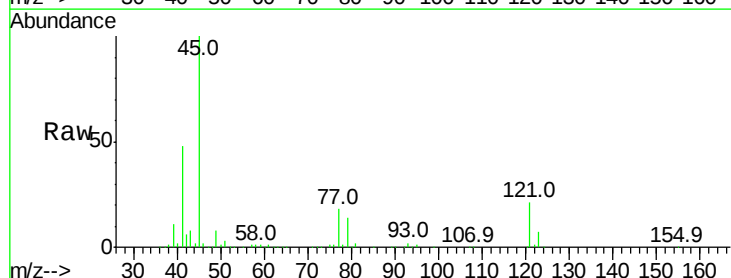
RT: 7.03 min Scan# 841

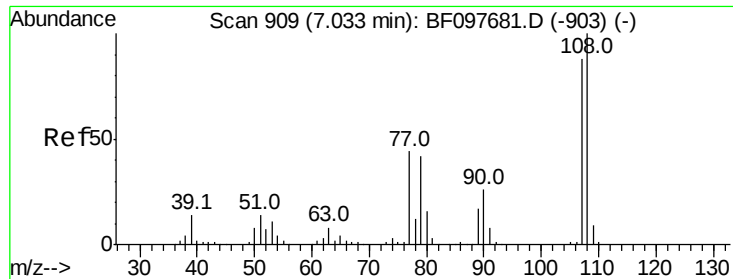
Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion:	45	Resp:	488606
Ion Ratio	Lower	Upper	
45	100		
77	17.5	0.0	33.2
79	13.5	0.0	30.0





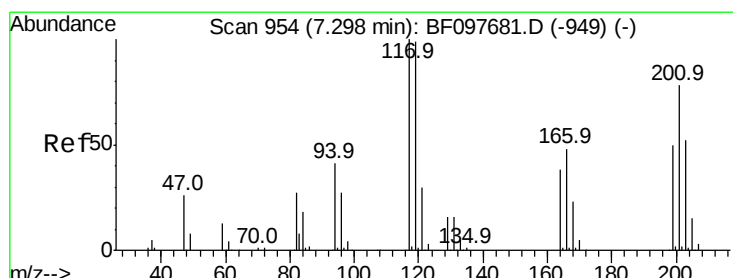
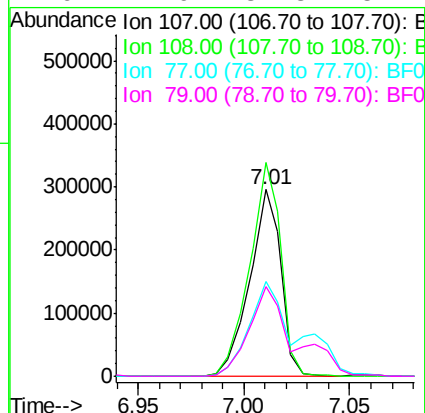
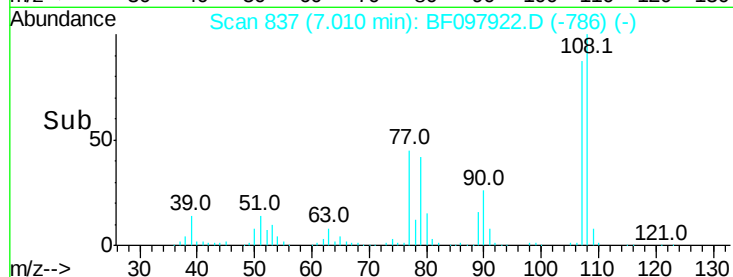
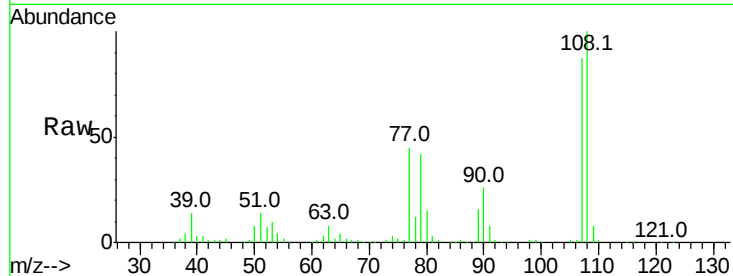
#17
2-Methylphenol
Concen: 39.913 ng
RT: 7.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107.00	100	303113		
108	108.00	114.7		93.4	140.0
77	77.00	51.0		35.8	53.6
79	79.00	47.9		34.8	52.2

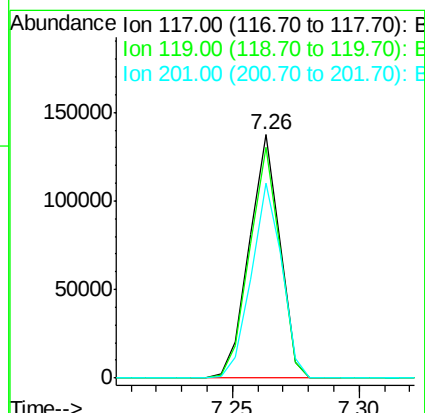
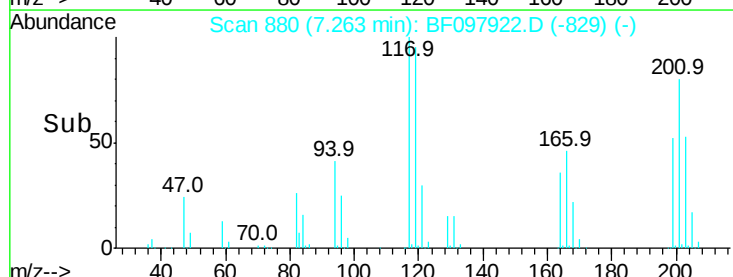
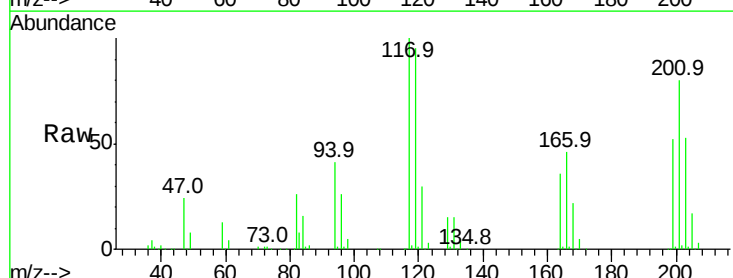
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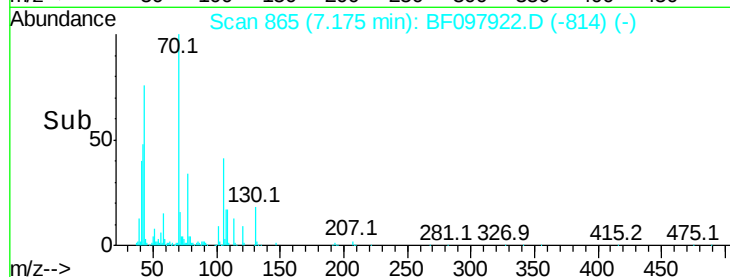
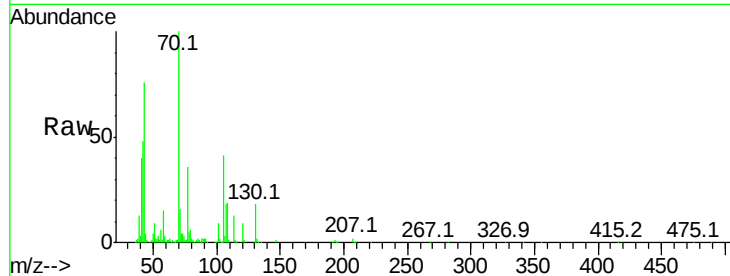
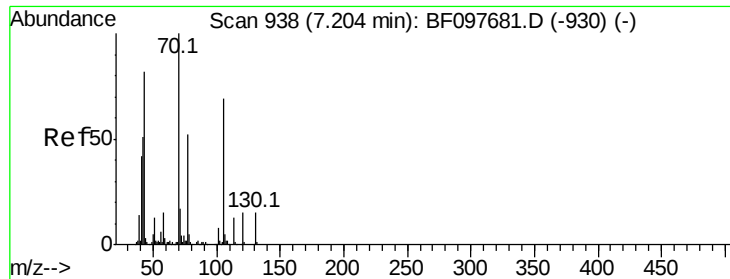
Sohil
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#18
Hexachloroethane
Concen: 31.239 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117.00	100	115468		
119	119.00	94.9		77.4	116.0
201	201.00	80.3		94.6	141.8#





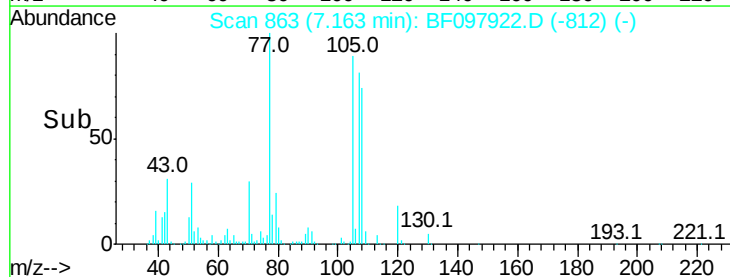
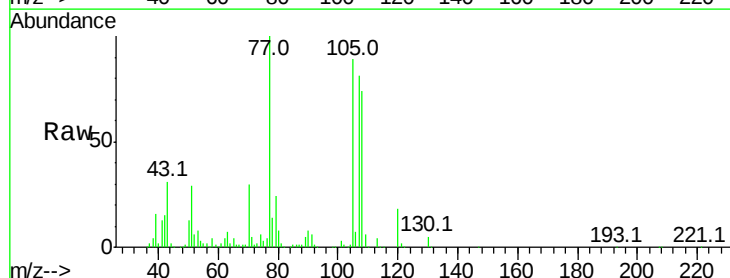
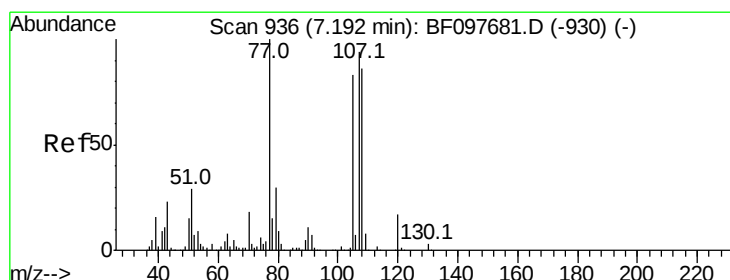
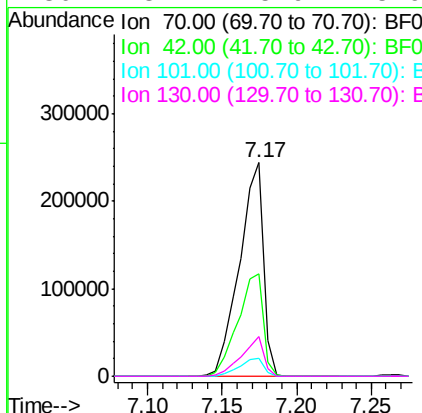
#19
n-Nitroso-di-n-propylamine
Concen: 35.977 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.8	47.2	70.8
101	8.7	7.2	10.8
130	18.4	15.9	23.9

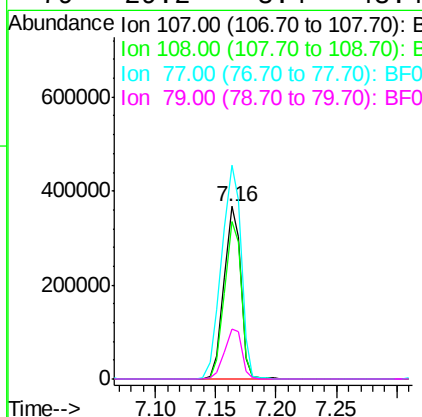
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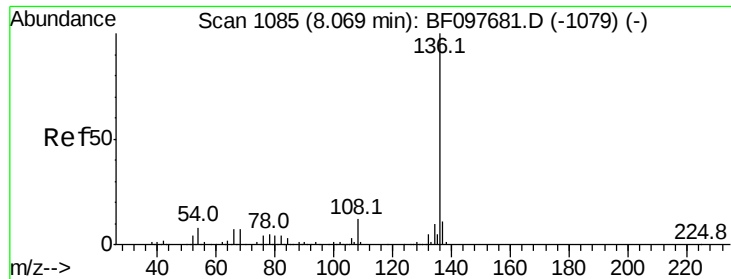
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#20
3+4-Methylphenols
Concen: 38.022 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.0	111.0
77	123.7	90.5	130.5
79	29.2	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: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

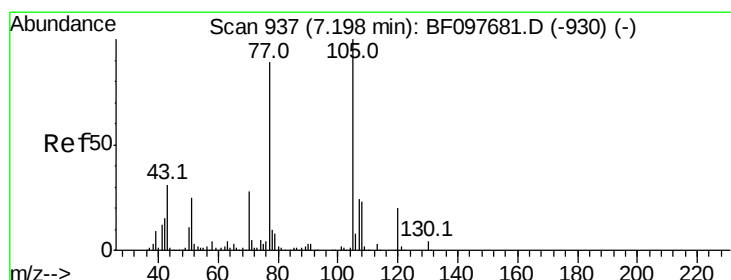
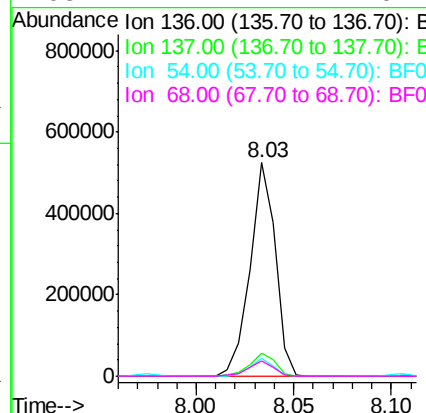
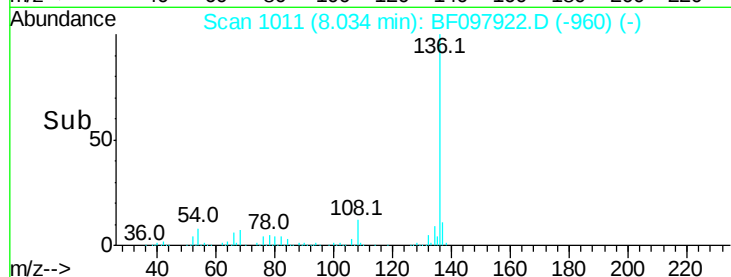
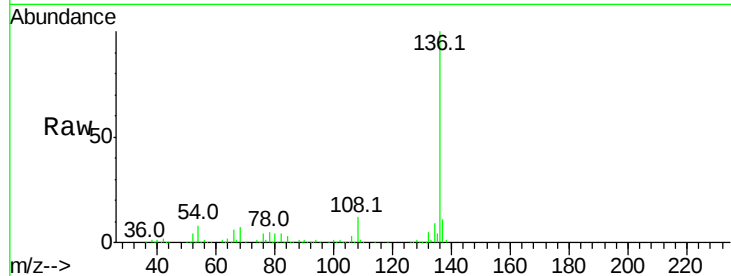
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	471562		
137	10.9	8.5	12.7	
54	8.2	4.9	7.3#	
68	7.1	4.1	6.1#	

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#22

Acetophenone

Concen: 38.632 ng

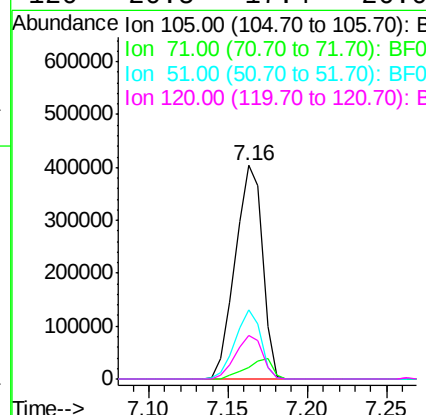
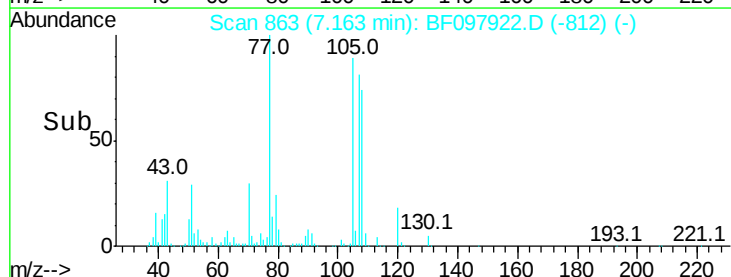
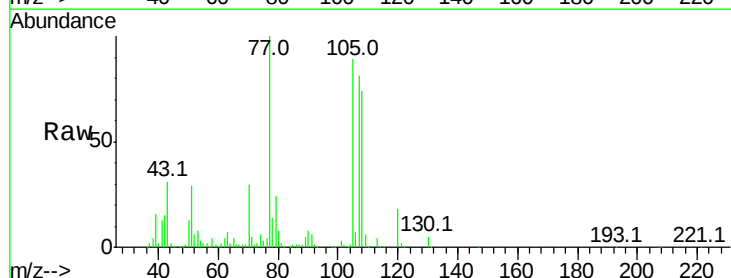
RT: 7.16 min Scan# 863

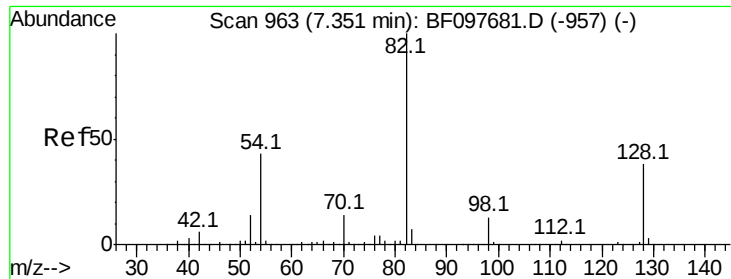
Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481257		
71	5.5	2.8	4.2#	
51	32.6	30.7	46.1	
120	20.5	17.4	26.0	





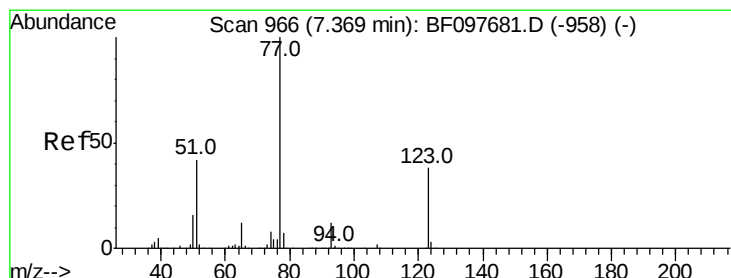
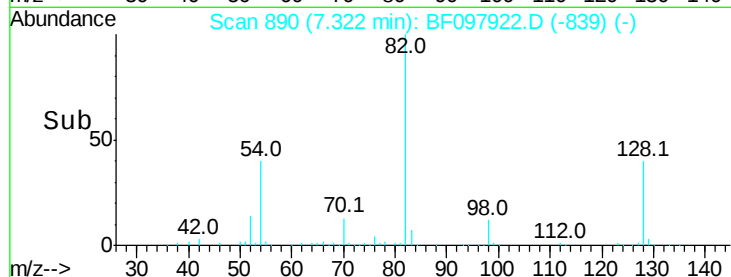
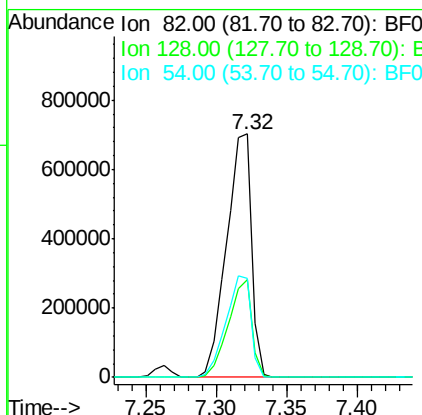
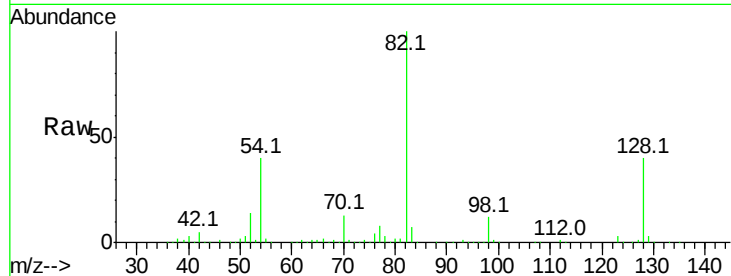
#23
 Nitrobenzene-d5
 Concen: 99.509 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.0	51.0
54	40.4	42.2	63.2

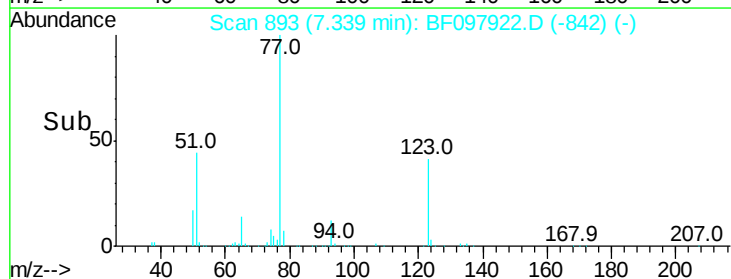
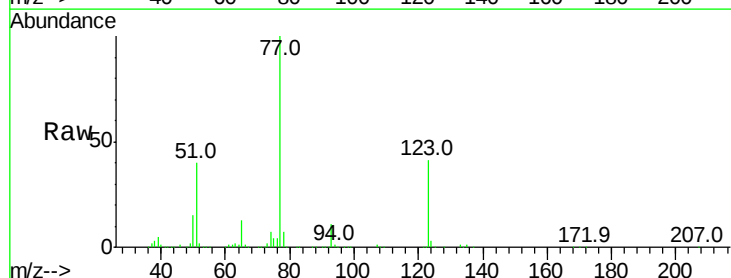
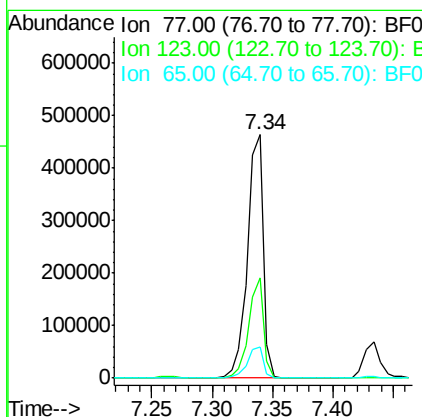
Manual Integrations
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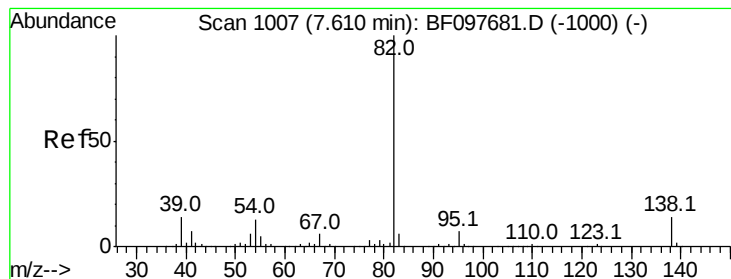
Sohil
 8/22/2017 5:44:44 PM



#24
 Nitrobenzene
 Concen: 44.285 ng
 RT: 7.34 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.0	35.8	53.8
65	12.6	10.6	15.8





#25

Isophorone

Concen: 41.476 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

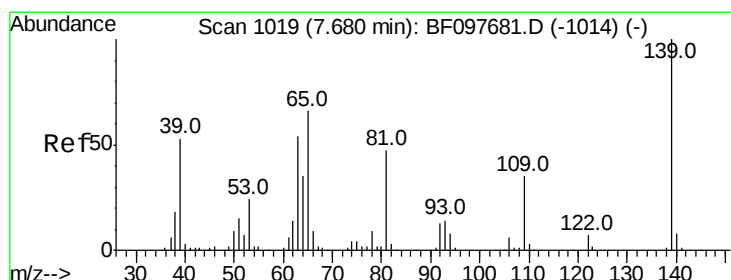
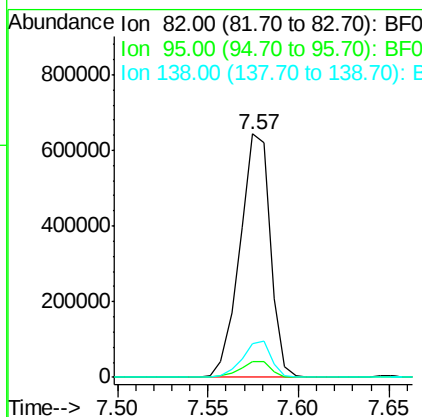
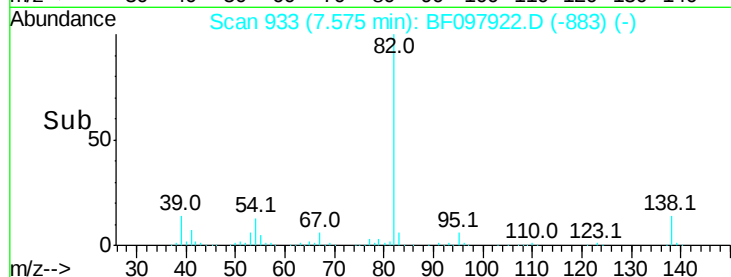
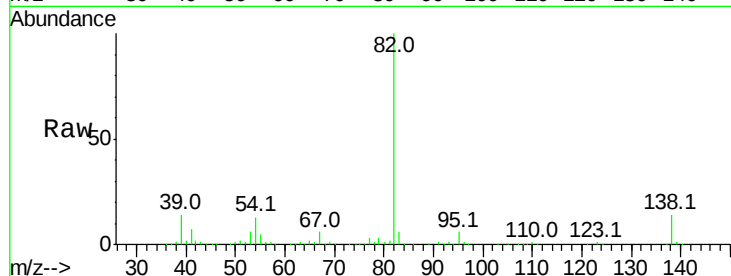
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	82	Resp:	748626
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.3	7.9
138	13.7	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 42.579 ng

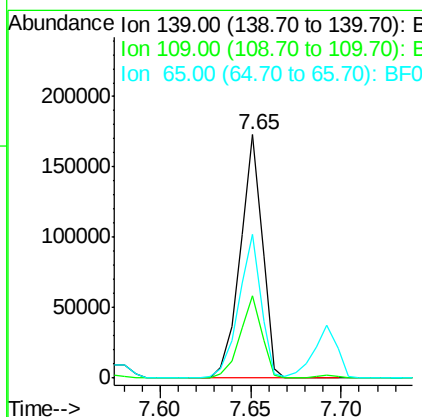
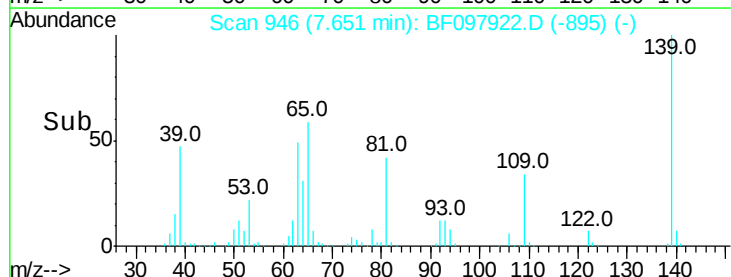
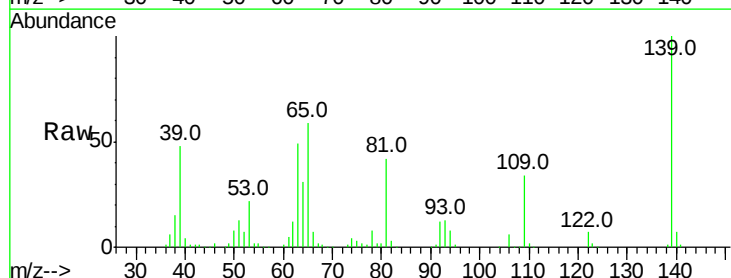
RT: 7.65 min Scan# 946

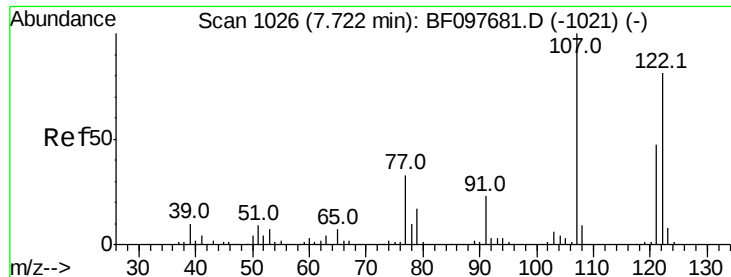
Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion:	139	Resp:	146761
Ion Ratio	Lower	Upper	
139	100		
109	33.6	21.0	31.6#
65	59.0	33.0	49.6#





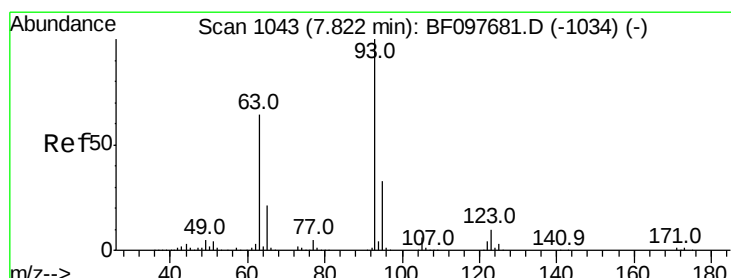
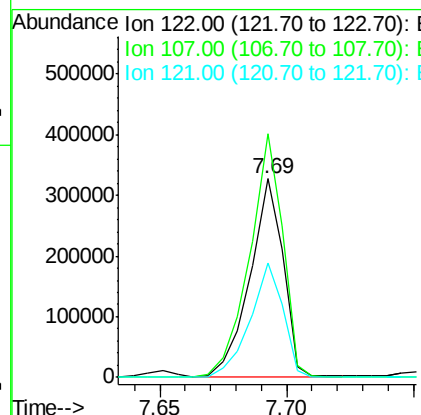
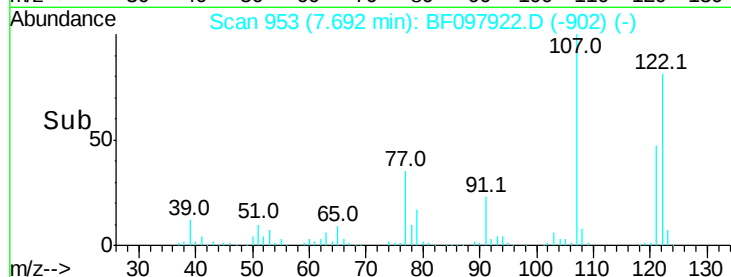
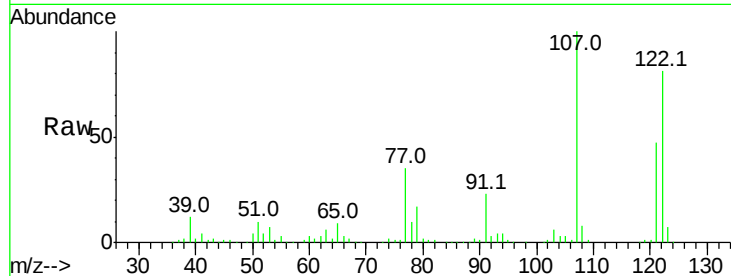
#27
 2,4-Dimethylphenol
 Concen: 39.883 ng
 RT: 7.69 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion:	122	Resp:	300227
Ion Ratio	Lower	Upper	
122	100		
107	122.7	89.2	133.8
121	57.9	45.2	67.8

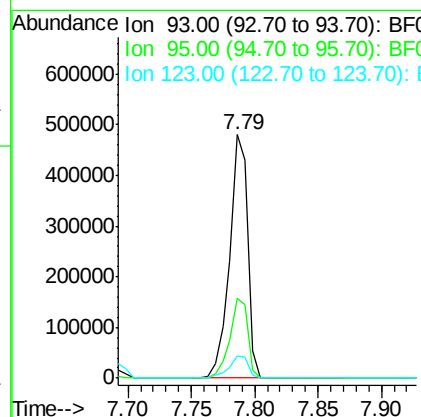
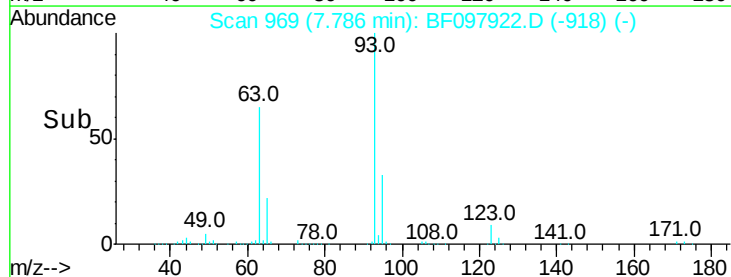
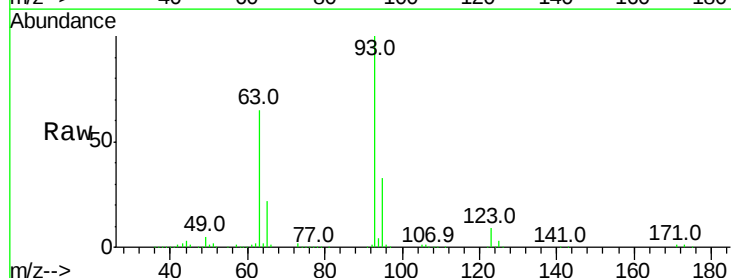
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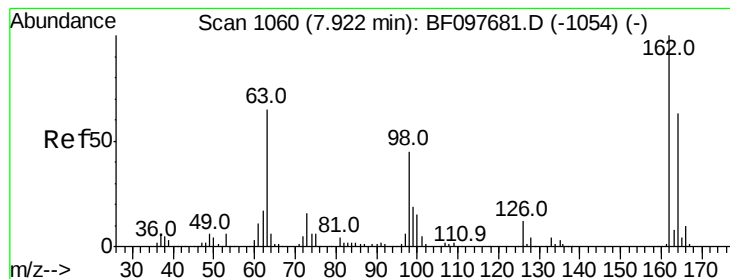
Sohil
 8/22/2017 5:44:44 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.791 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:	93	Resp:	472183
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.5	39.7
123	9.3	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 40.576 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

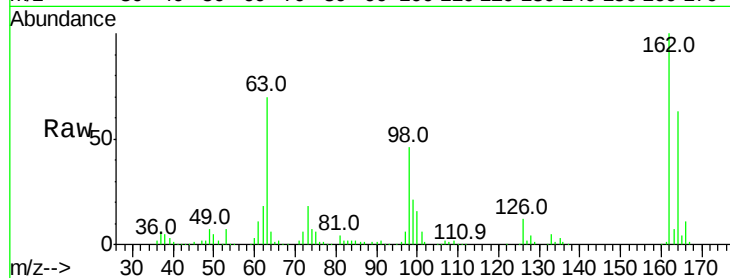
ClientSampleId :

CLEAN-SAND-6MS

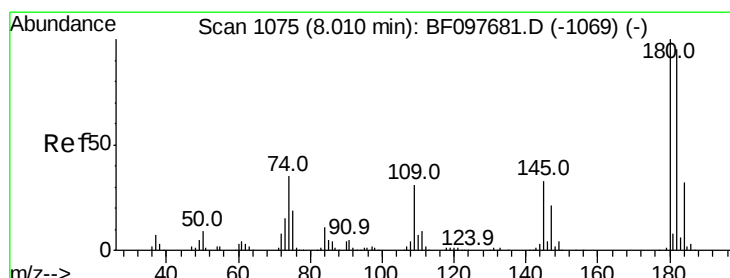
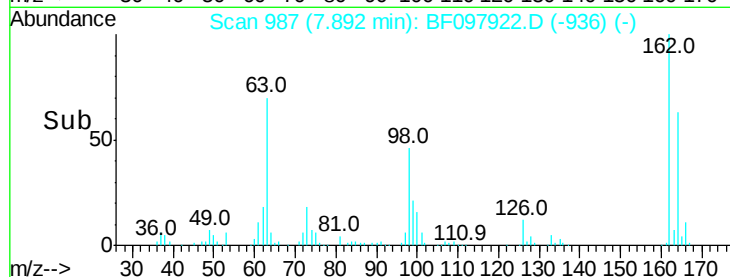
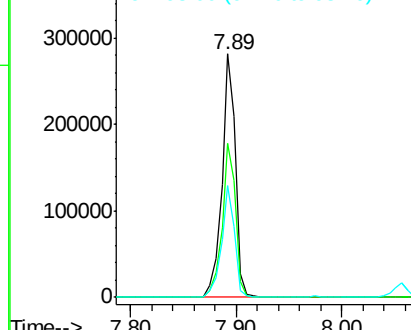
Tot Ion:	162	Resp:	253547
Ion Ratio	Lower	Upper	
162	100		
164	63.2	44.6	84.6
98	46.0	14.8	54.8

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 36.925 ng

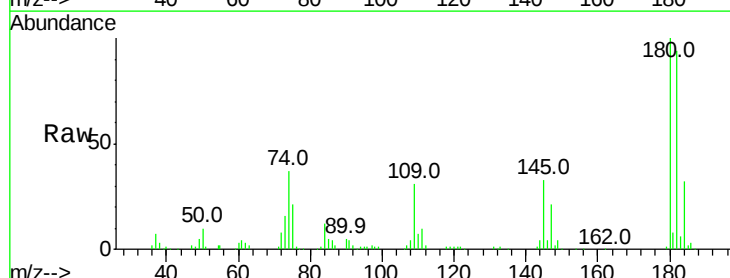
RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

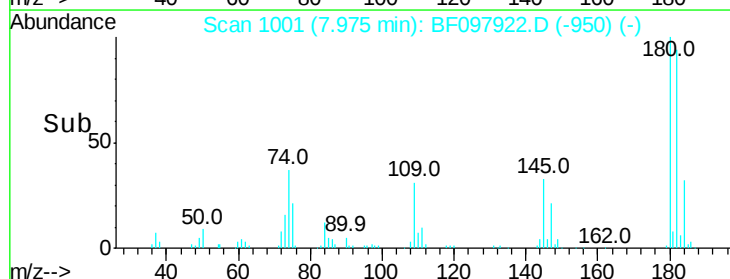
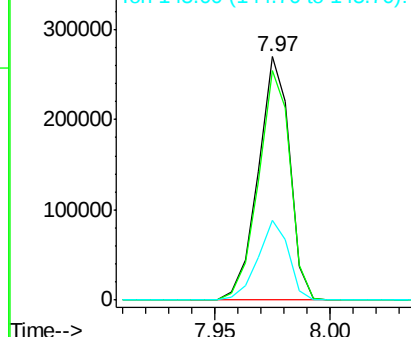
Lab File: BF097922.D

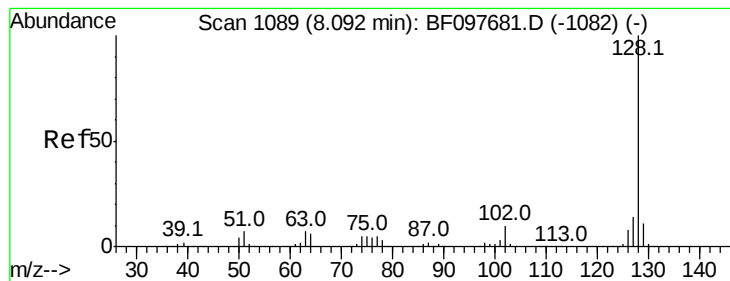
Acq: 21 Aug 2017 23:06

Tgt Ion:	180	Resp:	255783
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.8	113.6
145	32.9	25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.228 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

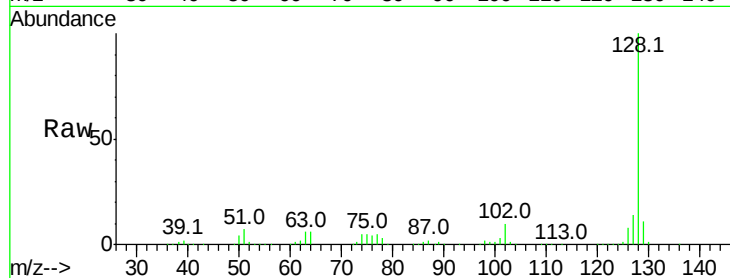
ClientSampleId :

CLEAN-SAND-6MS

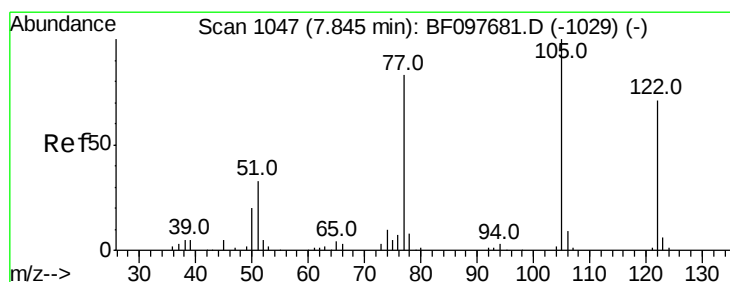
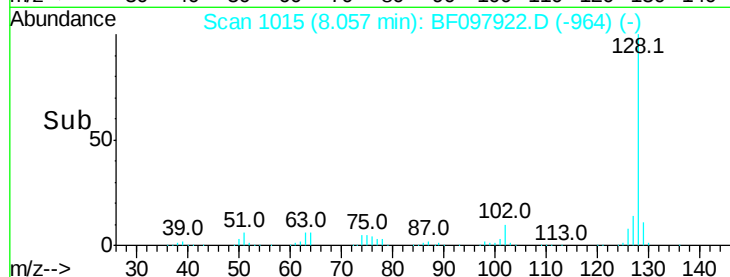
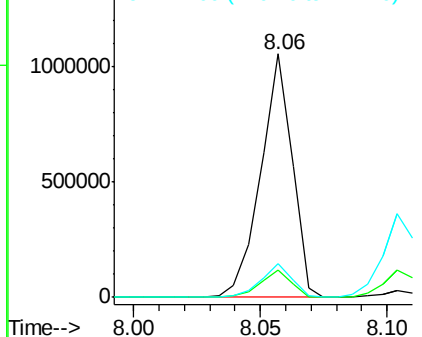
Tot Ion:	128	Resp:	911380
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.8	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 12.077 ng

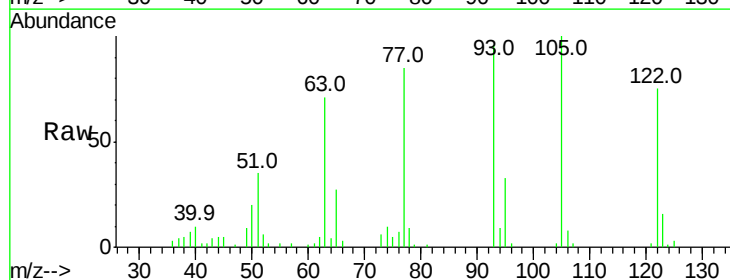
RT: 7.77 min Scan# 966

Delta R.T. -0.06 min

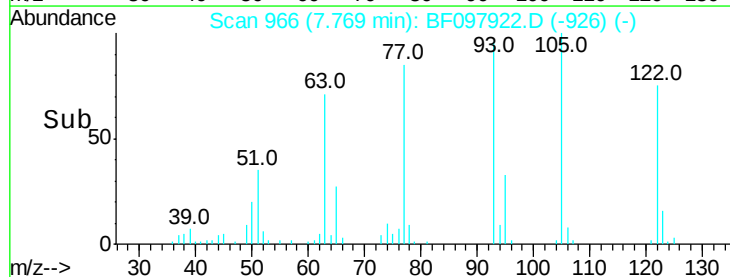
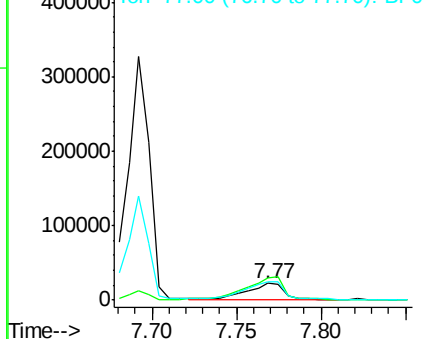
Lab File: BF097922.D

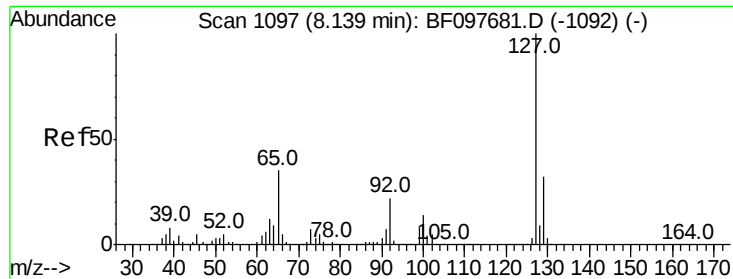
Acq: 21 Aug 2017 23:06

Tgt Ion:	122	Resp:	35901
Ion Ratio	Lower	Upper	
122	100		
105	132.8	103.3	143.3
77	112.3	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





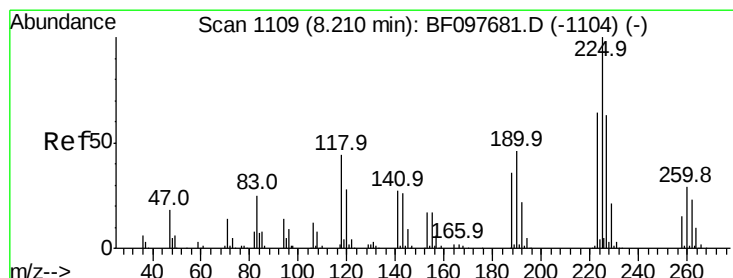
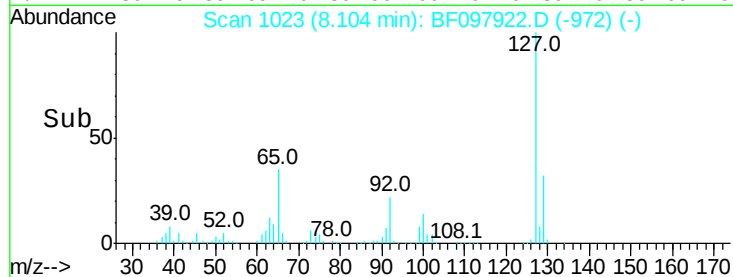
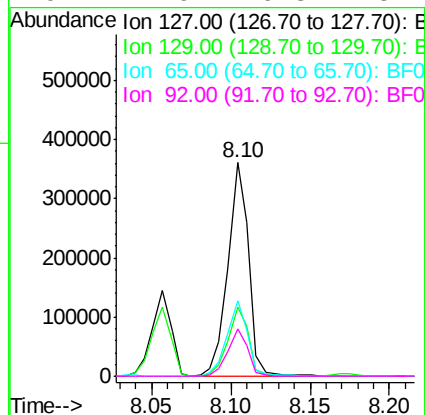
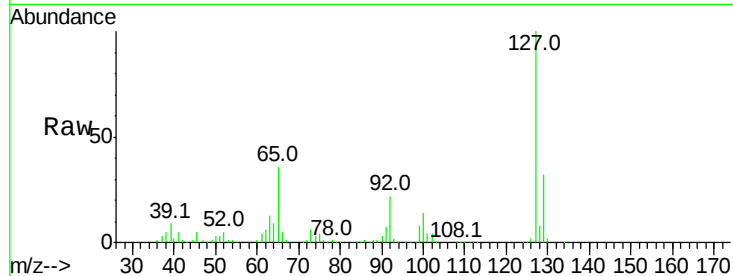
#33
4-Chloroaniline
Concen: 31.665 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.2	39.2		
65	35.5	27.8	41.8		
92	21.9	16.8	25.2		

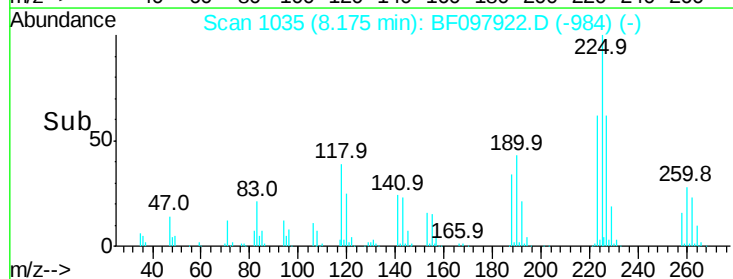
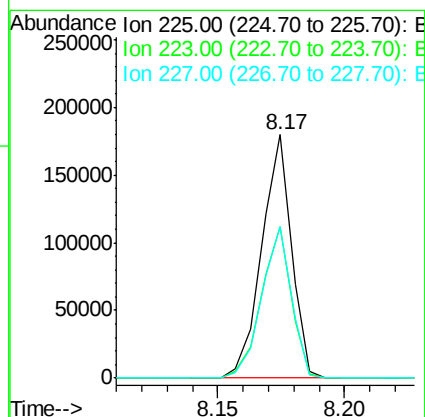
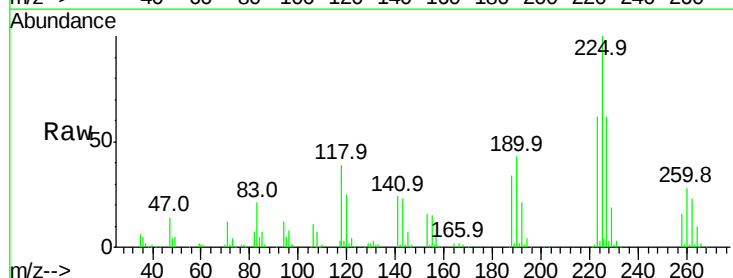
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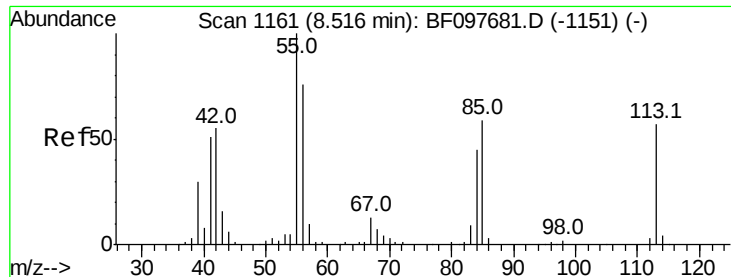
Sohil
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#34
Hexachlorobutadiene
Concen: 36.571 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.0	48.8	73.2		
227	62.4	51.1	76.7		





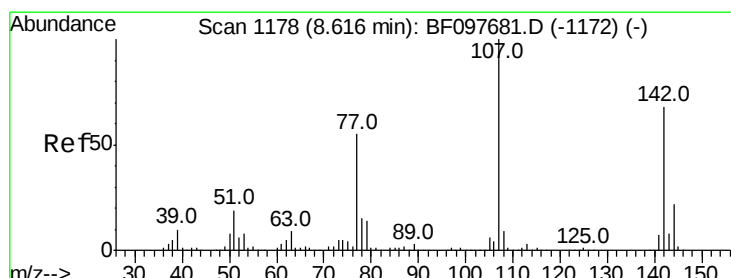
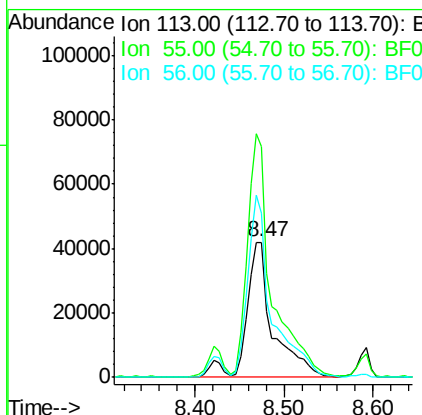
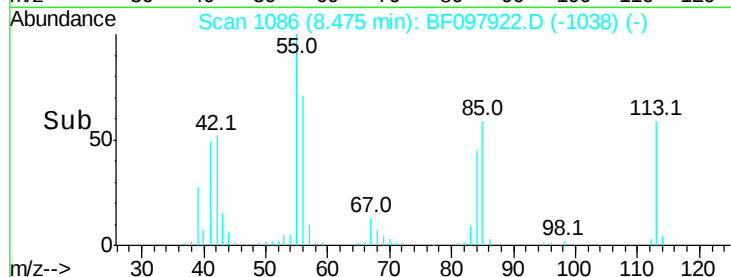
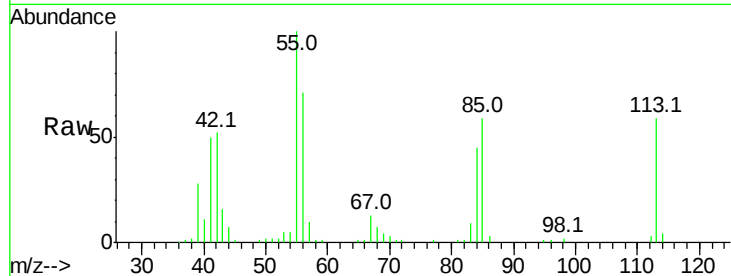
#35
 Caprolactam
 Concen: 41.278 ng/ml
 RT: 8.47 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleID :
 CLEAN-SAND-6MS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	170.4	150.2	190.2	
56	121.1	107.8	147.8	

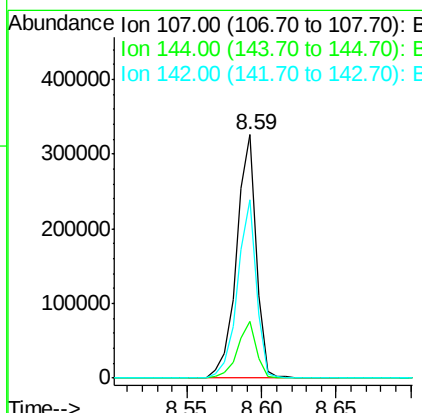
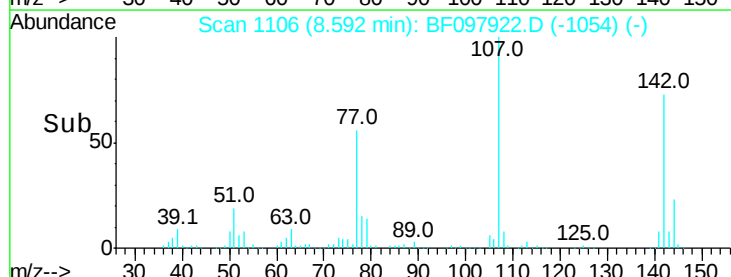
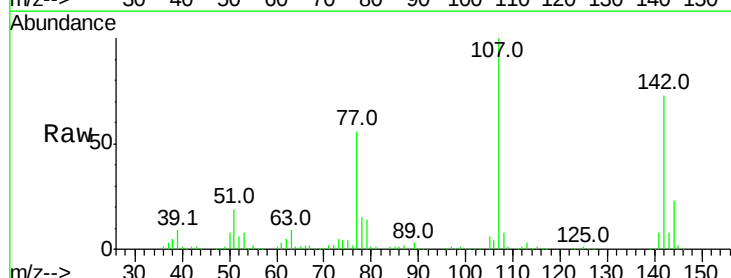
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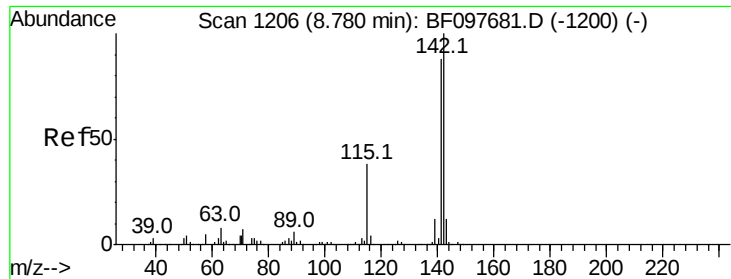
Sohil
 8/22/2017 5:44:44 PM



#36
 4-Chloro-3-methylphenol
 Concen: 37.611 ng/ml
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	23.5	24.2	36.4#	
142	73.0	73.4	110.0#	





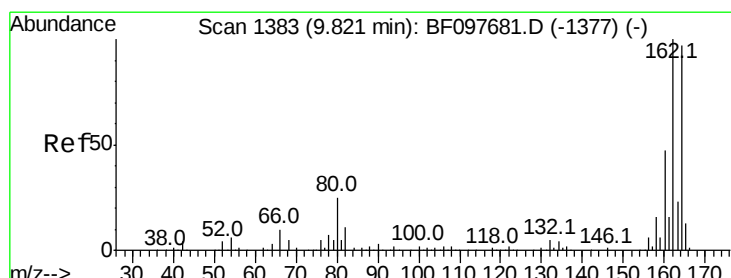
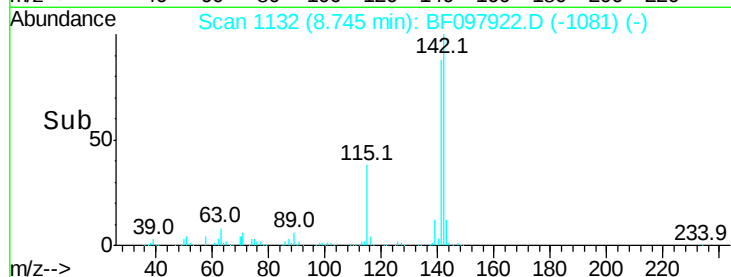
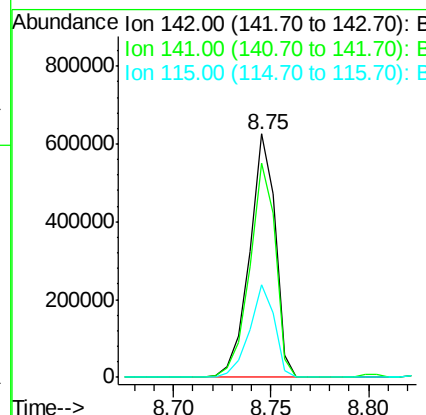
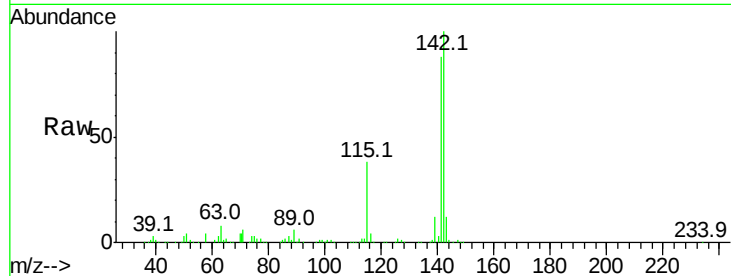
#37
2-Methylnaphthalene
Concen: 38.058 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	571217		
141	88.0	71.3	106.9	
115	38.3	27.1	40.7	

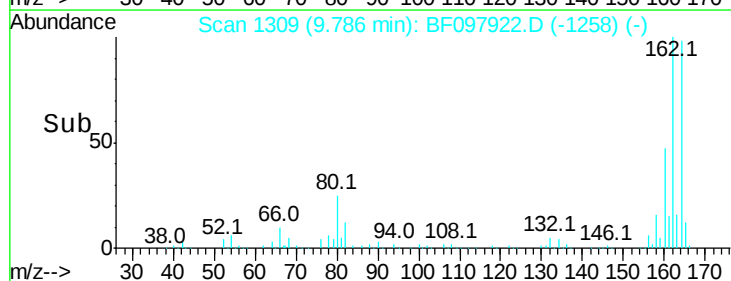
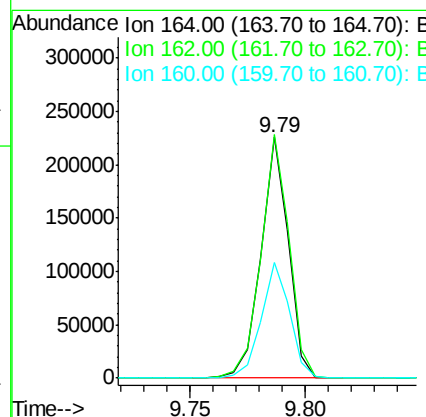
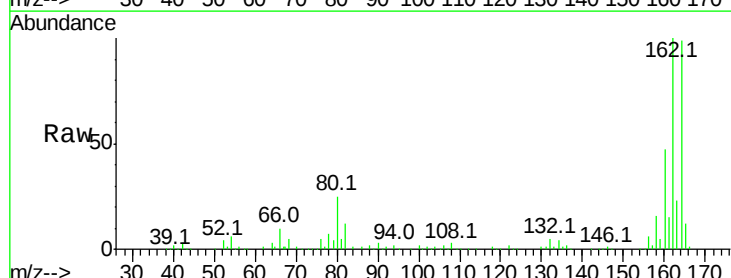
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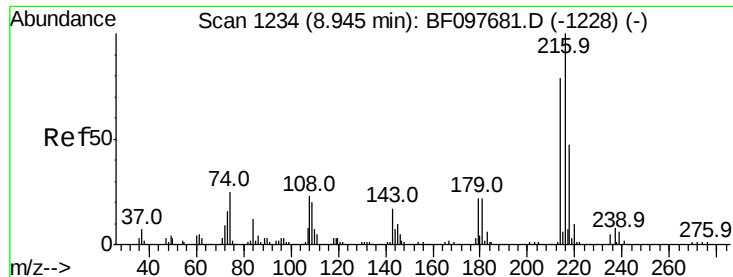
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187360		
162	101.2	82.6	123.8	
160	48.0	36.2	54.2	





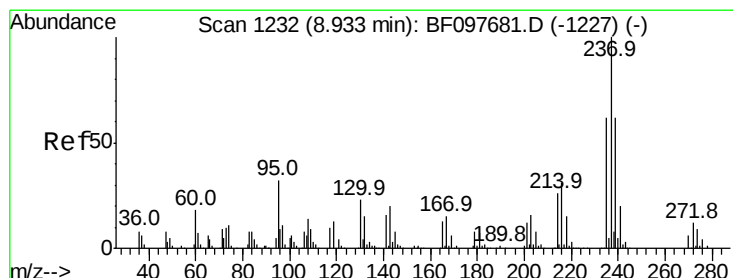
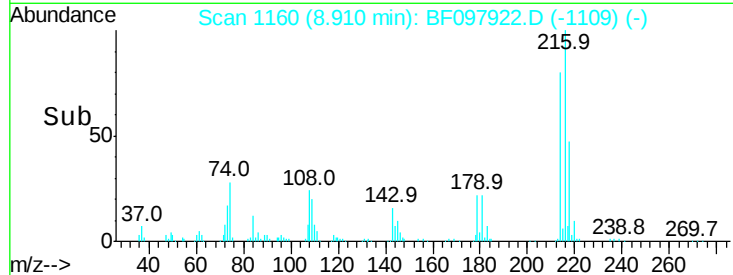
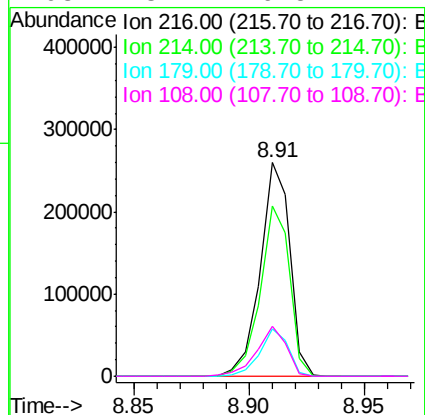
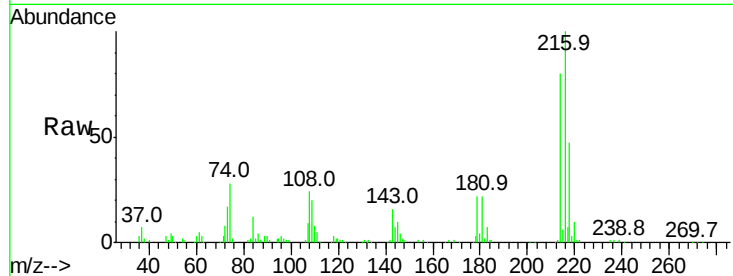
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.342 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.1	63.4	95.2
179	21.5	17.9	26.9
108	23.7	16.5	24.7

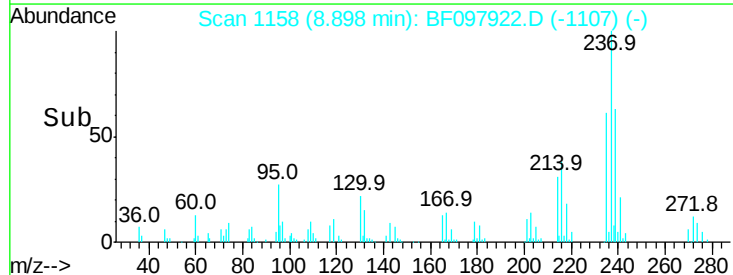
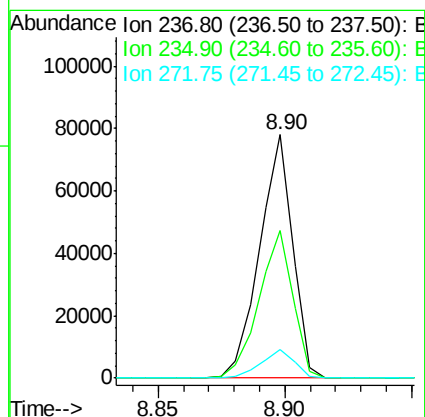
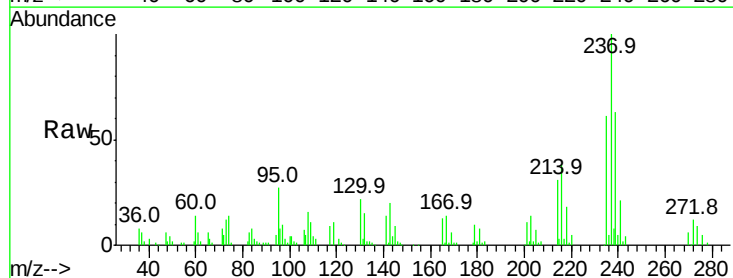
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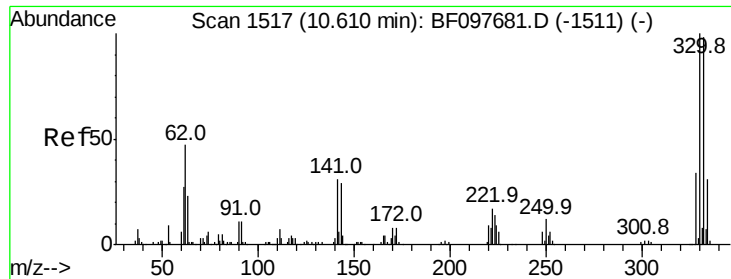
Sohil
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#40
 Hexachlorocyclopentadiene
 Concen: 25.778 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	60.7	42.6	82.6
272	11.8	0.0	31.9





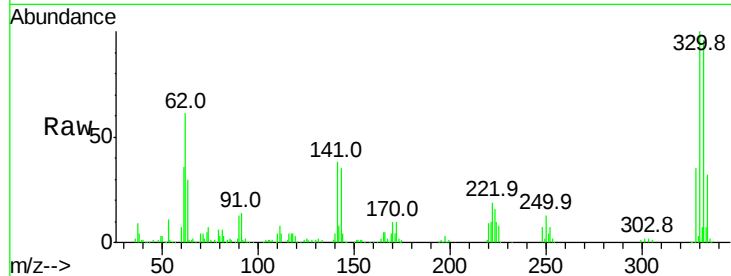
#41
 2,4,6-Tribromophenol
 Concen: 122.698 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	199465		
332	95.5	76.6	115.0	
141	39.5	31.4	47.2	

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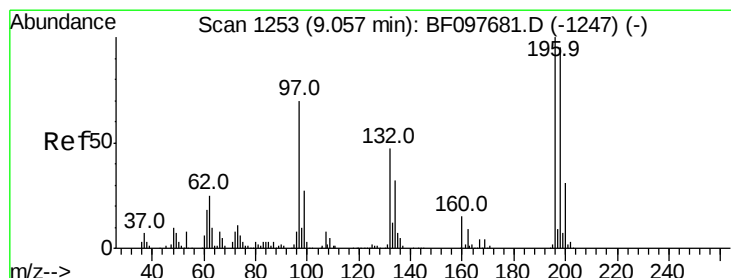
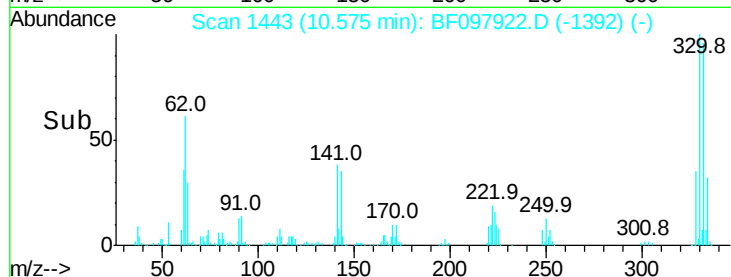
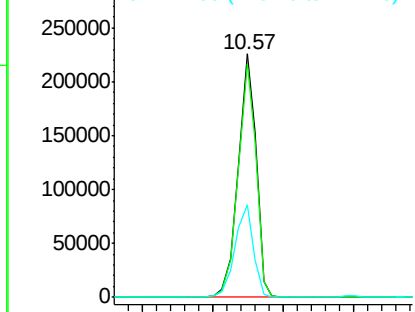


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 42.595 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

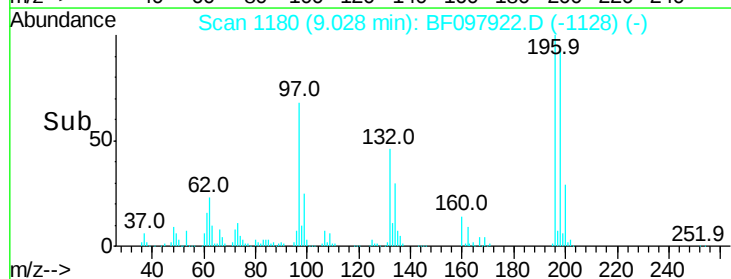
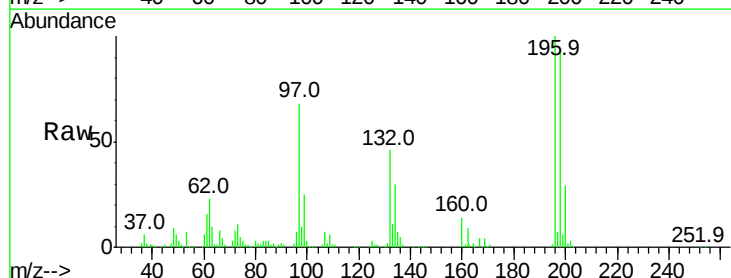
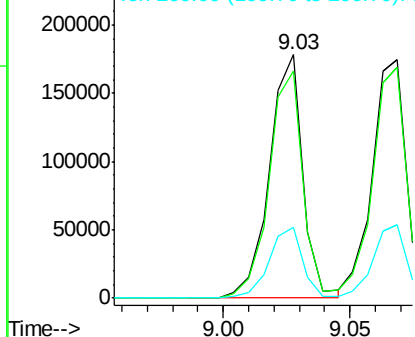
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	164434		
198	93.1	74.2	111.4	
200	29.3	24.0	36.0	

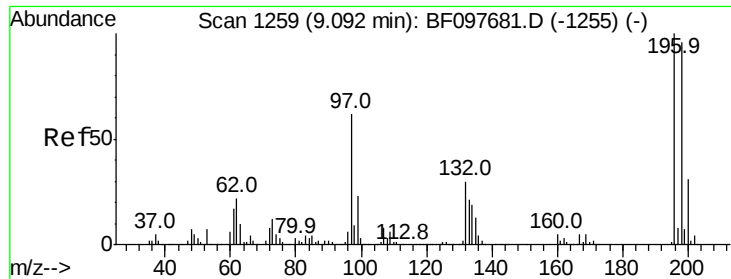
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





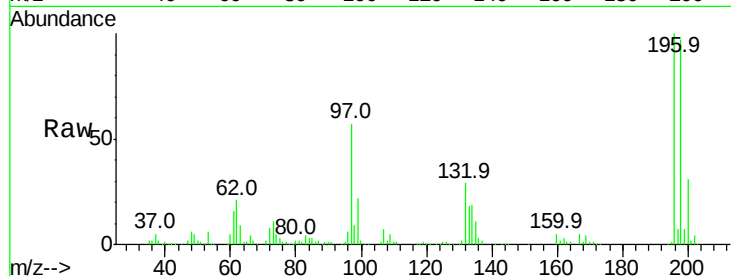
#43
 2,4,5-Trichlorophenol
 Concen: 43.099 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	196	Resp	165061
Ion Ratio	Lower	Upper	
196	100		
198	96.8	75.7	113.5
97	57.2	47.7	71.5
132	28.8	28.0	42.0

Manual Integrations
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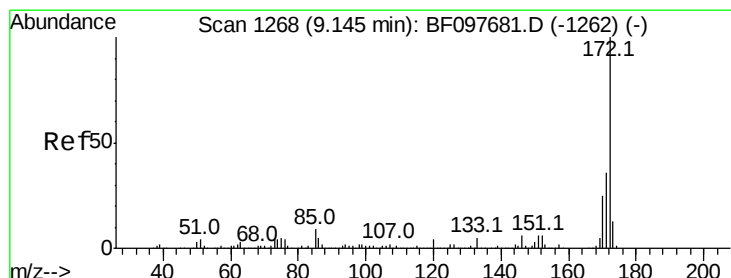
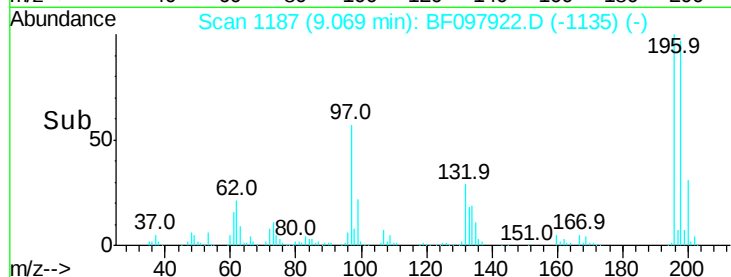
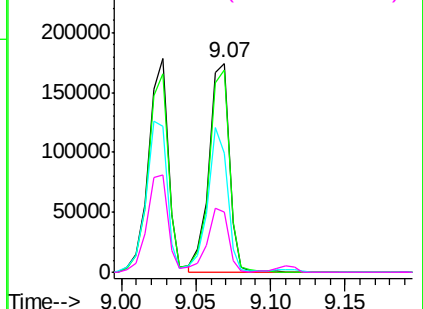
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 87.061 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

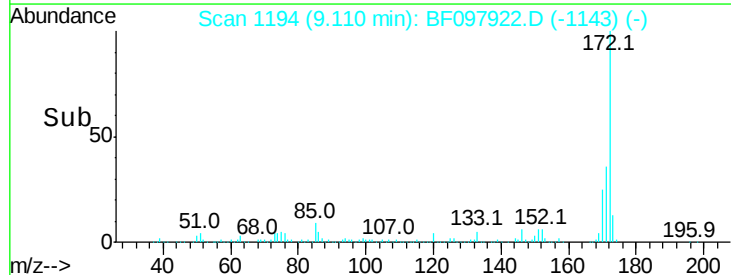
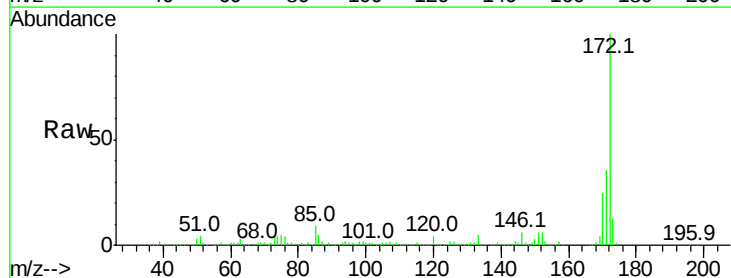
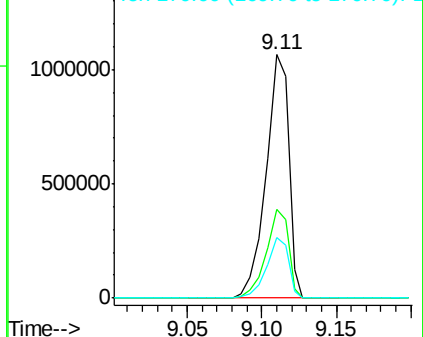
Tgt Ion	172	Resp	1110248
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.6	44.4
170	24.7	19.8	29.8

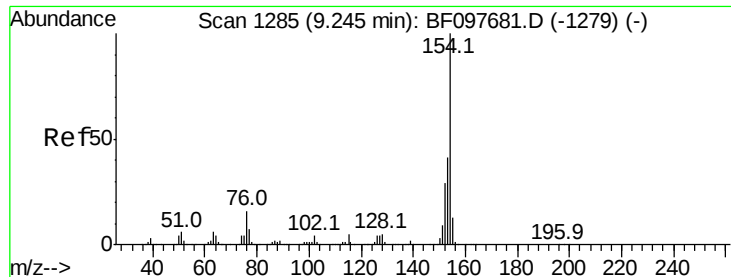
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.857 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

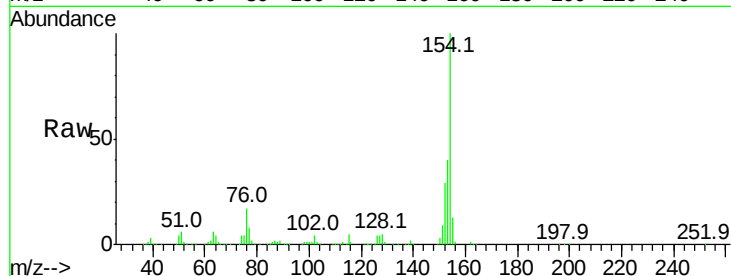
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	154	Resp:	663890
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.2	61.2
76	16.8	0.0	29.9

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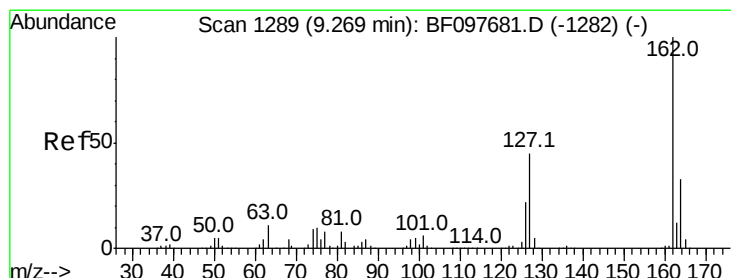
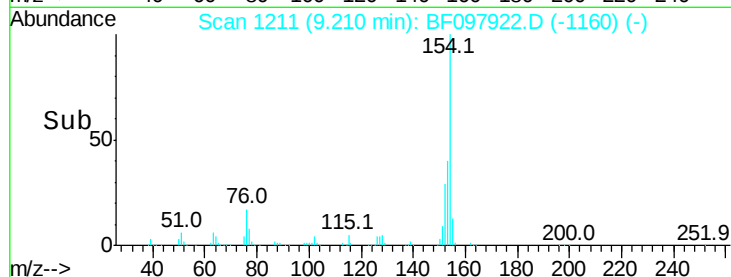
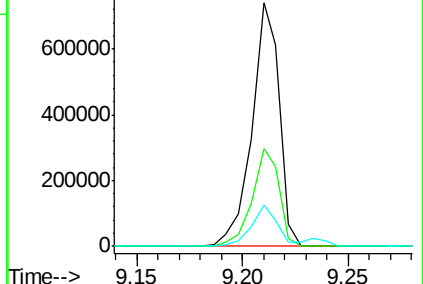
Sohil
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 37.926 ng

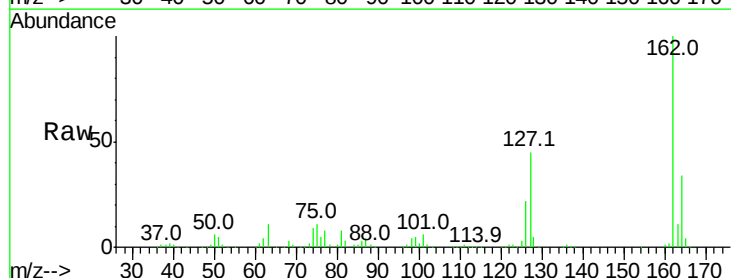
RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

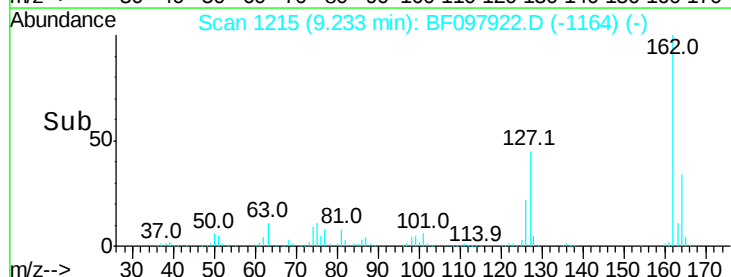
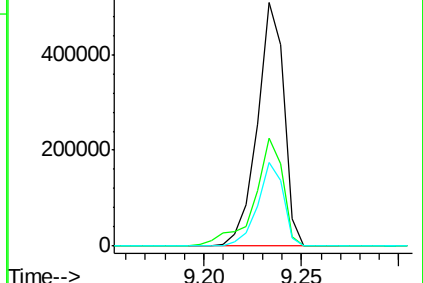
Tgt Ion:	162	Resp:	478786
Ion Ratio	Lower	Upper	
162	100		
127	44.5	28.3	42.5#
164	34.1	27.0	40.4

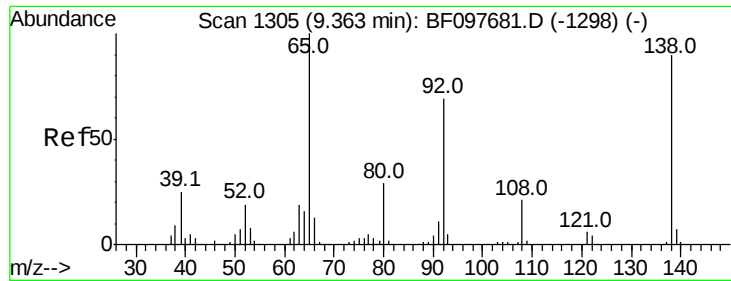


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





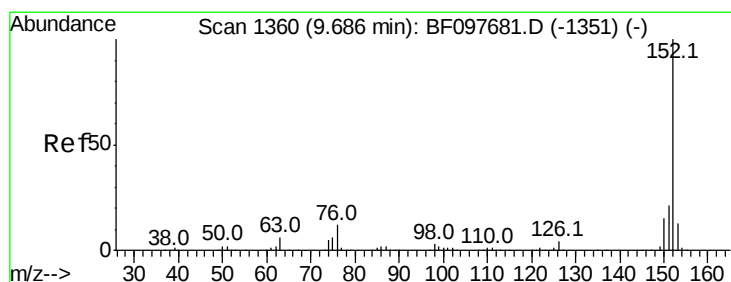
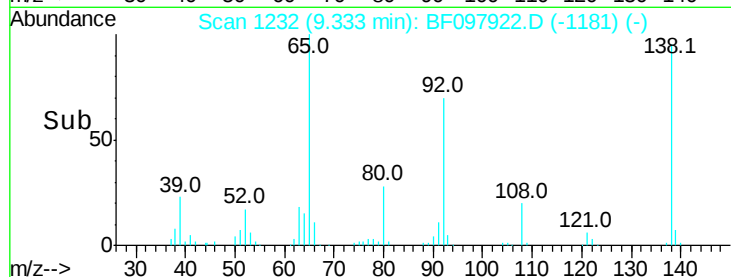
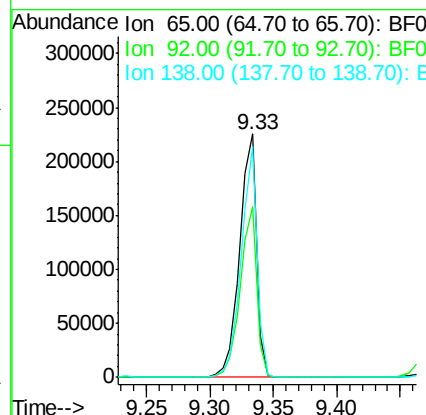
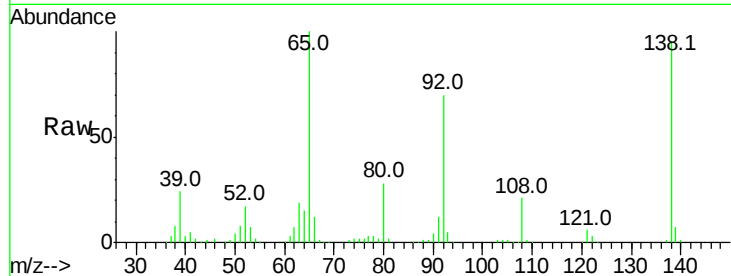
#47
2-Nitroaniline
Concen: 48.677 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.0	53.9	80.9
138	94.8	78.8	118.2

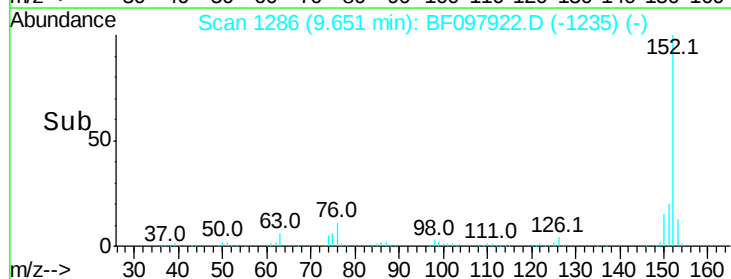
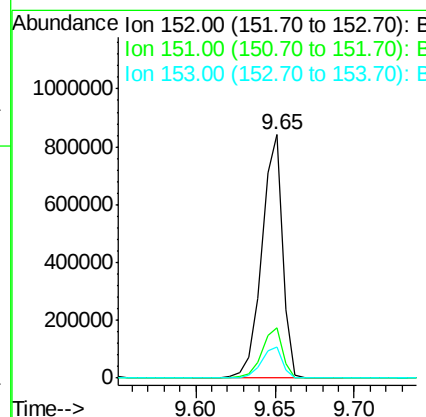
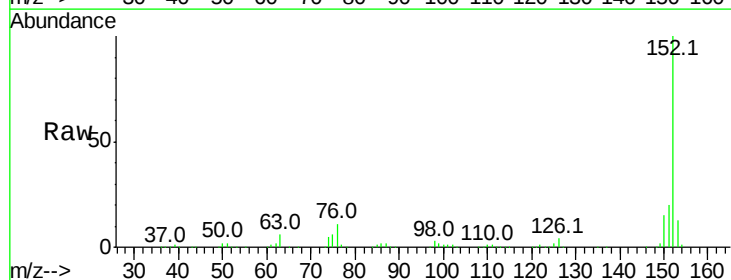
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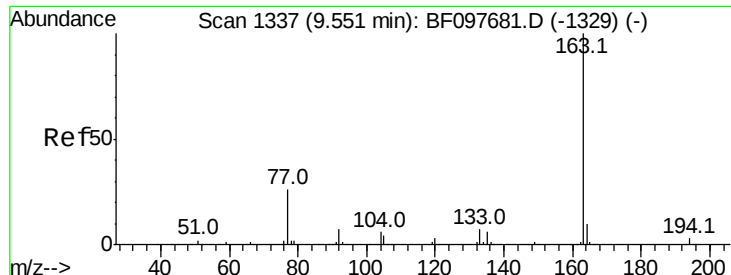
Sohil
8/22/2017 5:44:44 PM



#48
Acenaphthylene
Concen: 38.663 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	12.7	10.8	16.2





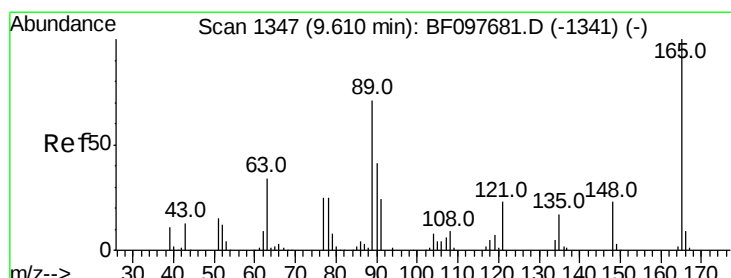
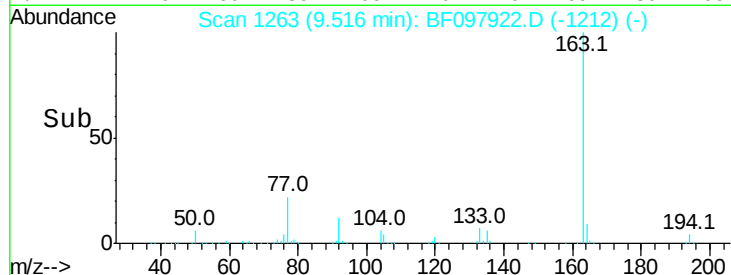
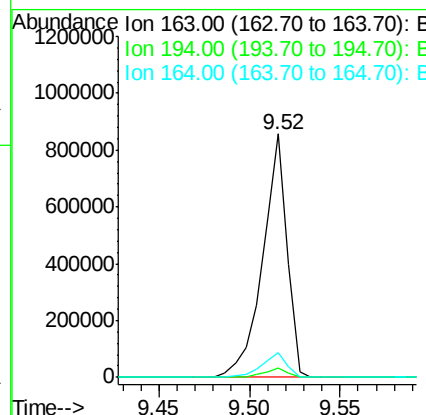
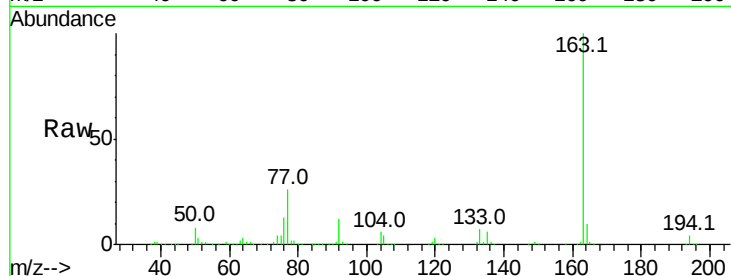
#49
Dimethylphthalate
Concen: 58.528 ng
RT: 9.52 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	801571		
194	3.6		2.6	4.0
164	10.3		8.4	12.6

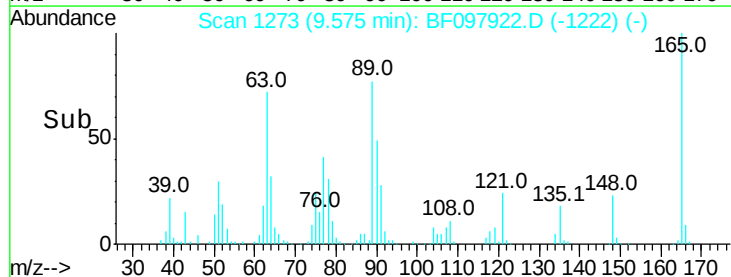
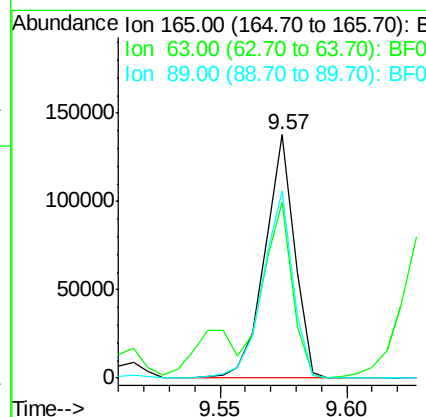
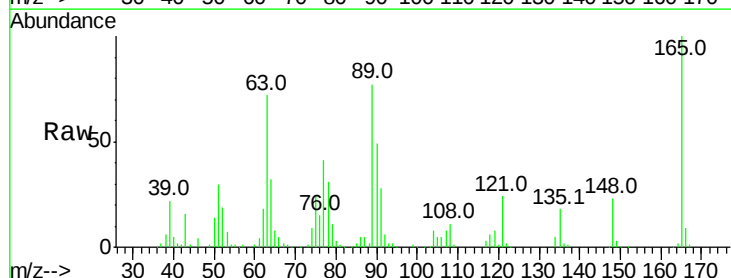
Manual Integrations
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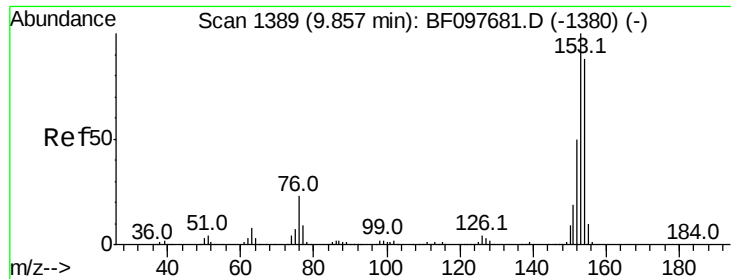
Sohil
8/22/2017 5:44:44 PM



#50
2,6-Dinitrotoluene
Concen: 41.107 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	112375		
63	72.1		34.3	51.5#
89	77.1		37.1	55.7#





#51

Acenaphthene

Concen: 36.024 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

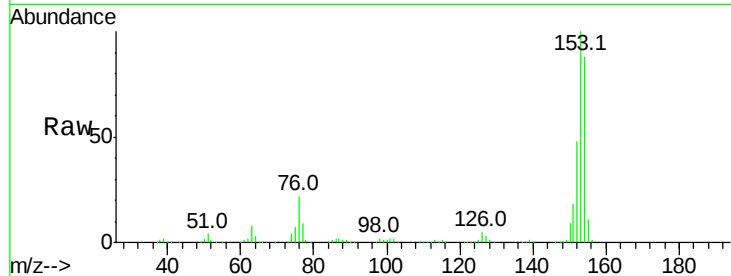
ClientSampleId :

CLEAN-SAND-6MS

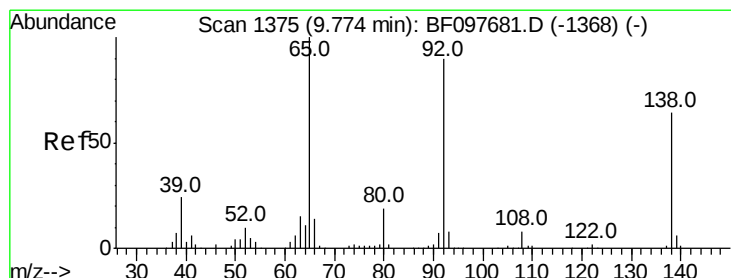
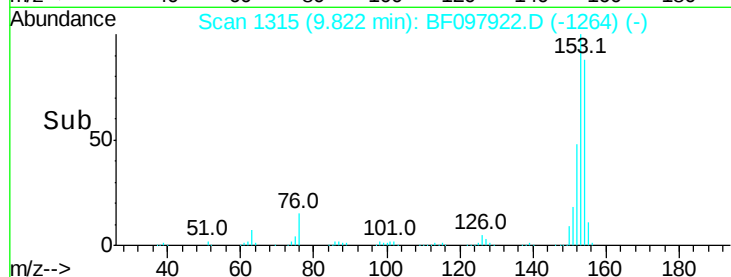
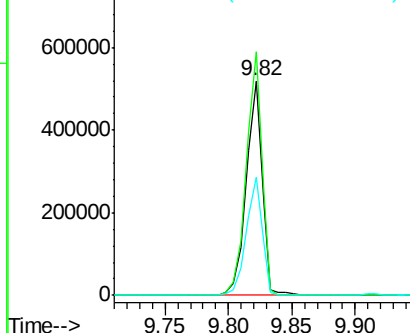
Tot Ion:	154	Resp:	450409
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.5	135.7
152	55.1	43.6	65.4

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.636 ng

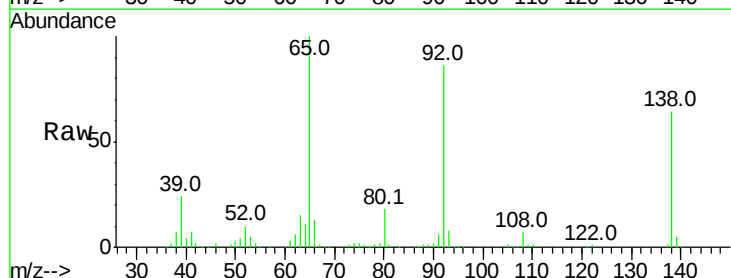
RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

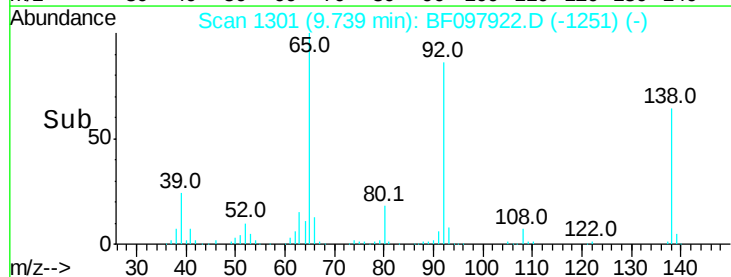
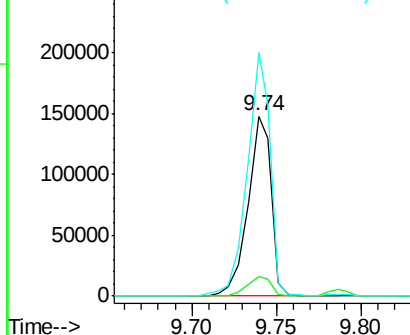
Lab File: BF097922.D

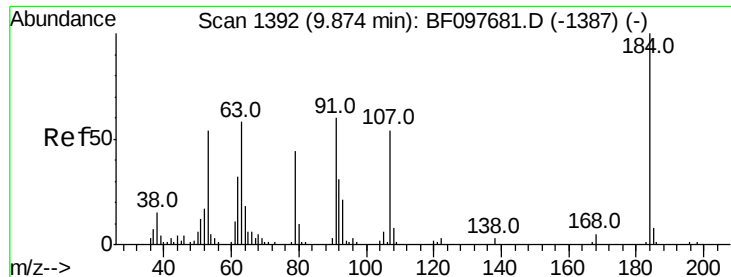
Acq: 21 Aug 2017 23:06

Tgt Ion:	138	Resp:	143324
Ion Ratio	Lower	Upper	
138	100		
108	10.9	9.1	13.7
92	135.3	93.8	140.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





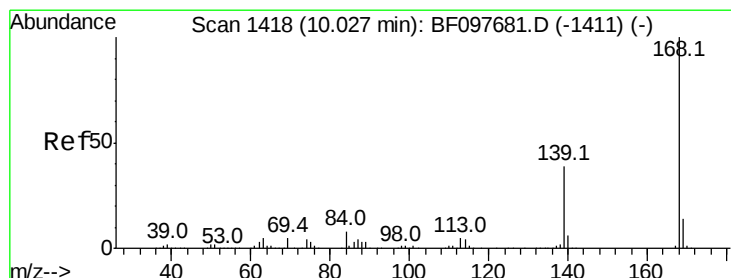
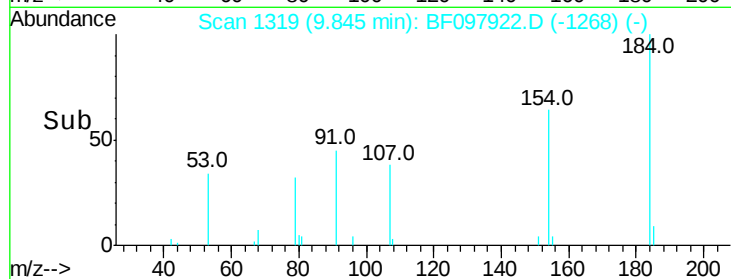
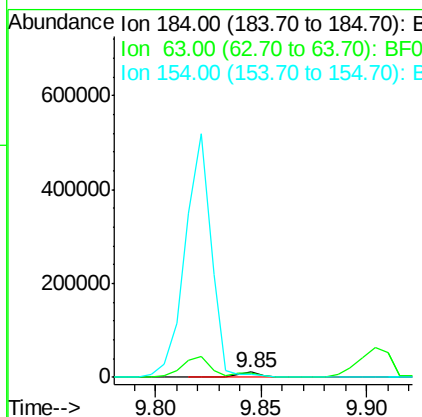
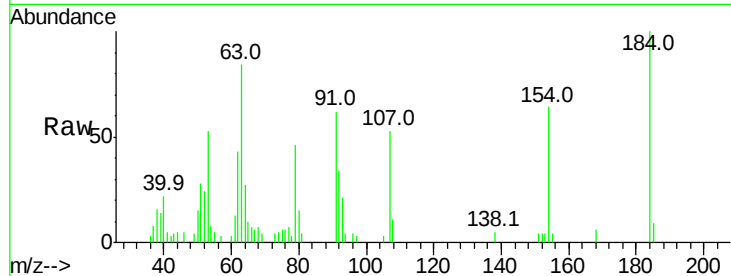
#53
 2,4-Dinitrophenol
 Concen: 16.670 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	84.1	62.7	94.1
154	64.4	81.1	121.7#

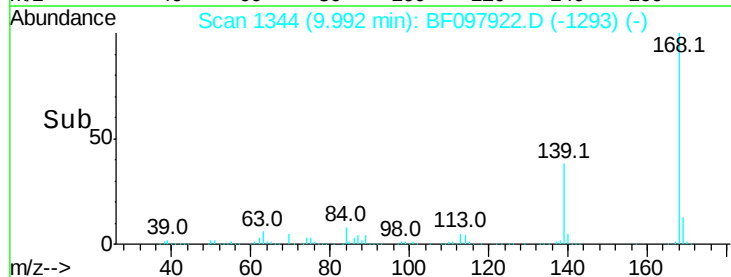
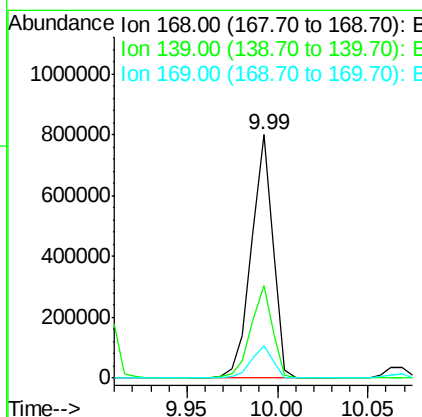
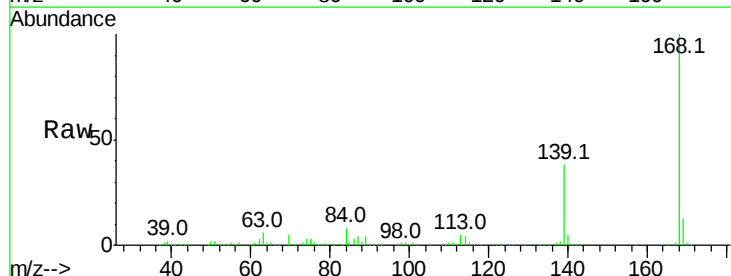
Manual Integrations
 APPROVED

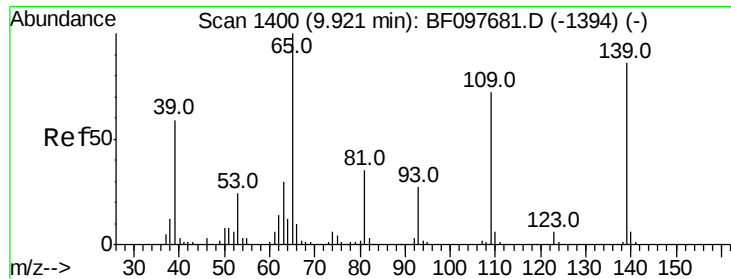
Sohil
 8/22/2017 5:44:44 PM



#54
 Dibenzofuran
 Concen: 39.523 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.6	45.8
169	13.2	10.8	16.2





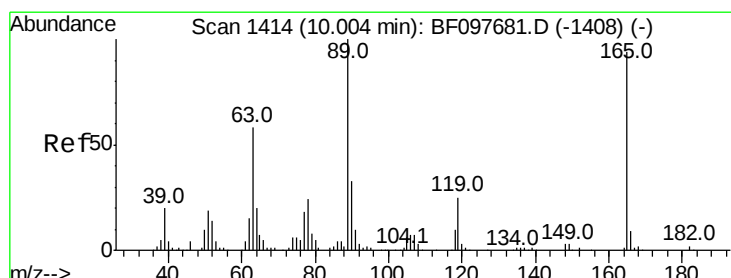
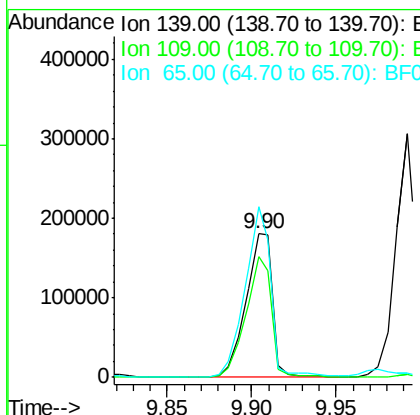
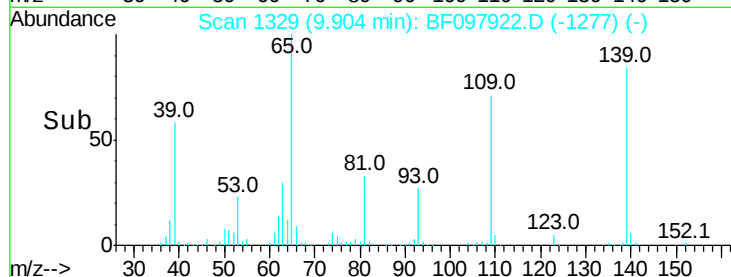
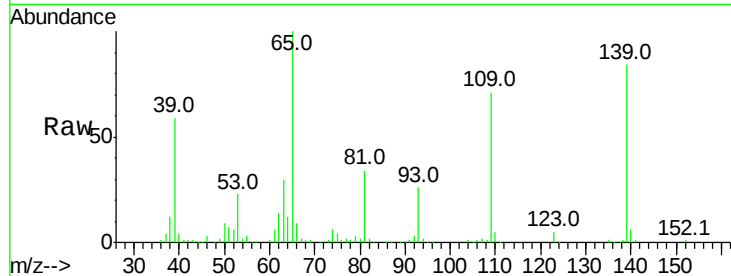
#55
4-Nitrophenol
Concen: 70.714 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	84.3	34.1	74.1#
65	119.5	31.4	71.4#

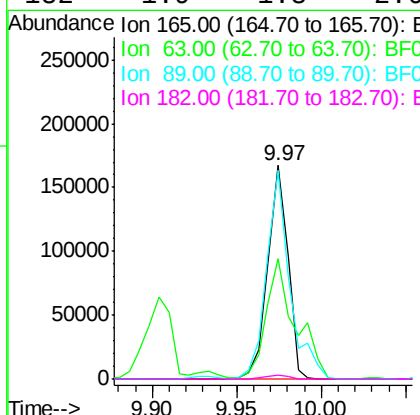
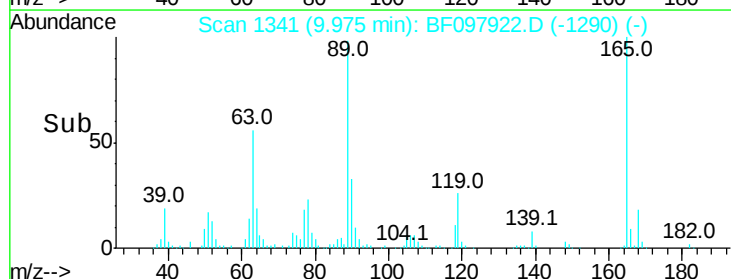
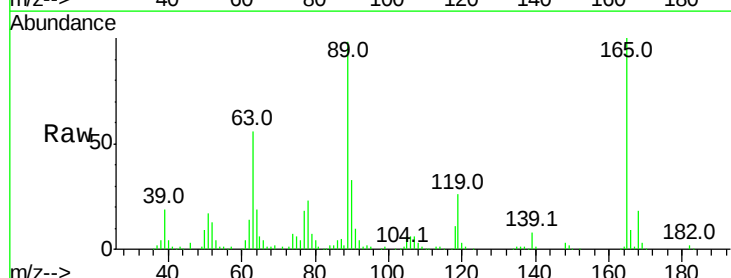
Manual Integrations
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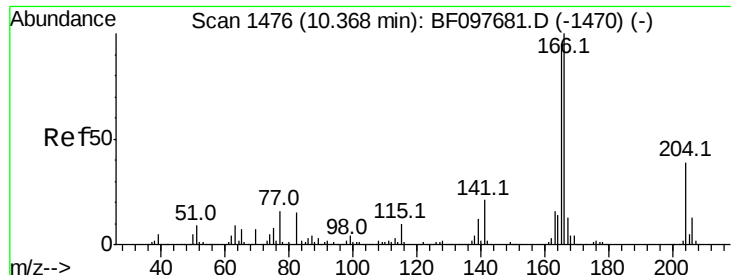
Sohil
8/22/2017 5:44:44 PM



#56
2,4-Dinitrotoluene
Concen: 40.301 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.1	25.4	38.0#
89	97.6	46.4	69.6#
182	1.9	1.8	2.6





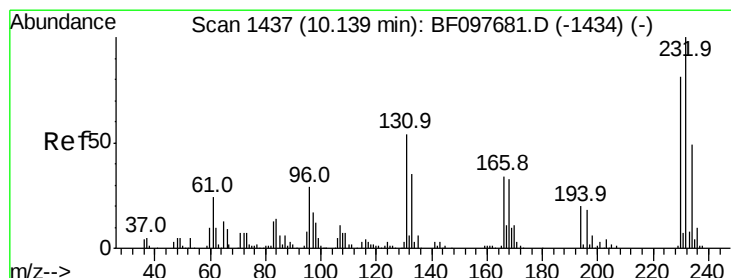
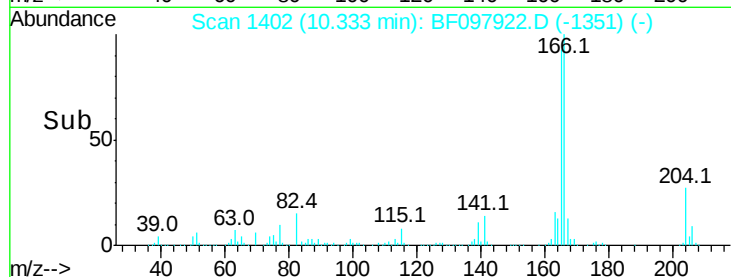
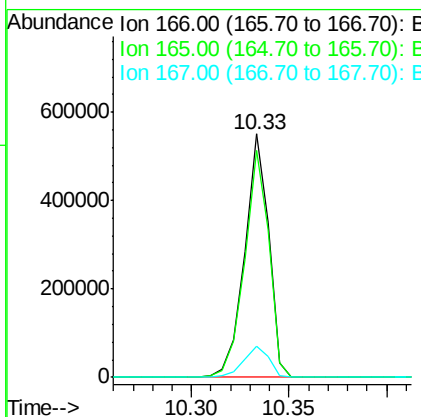
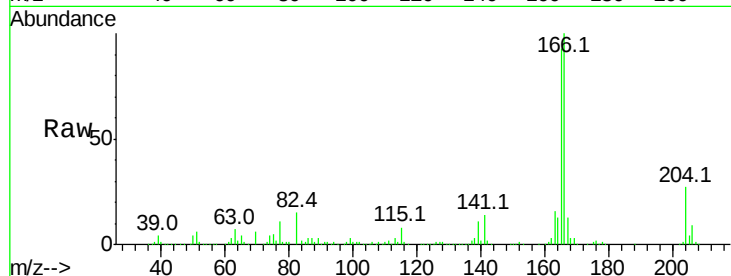
#57
Fluorene
 Concen: 36.169 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	93.4	78.8	118.2	
167	12.9	10.6	16.0	

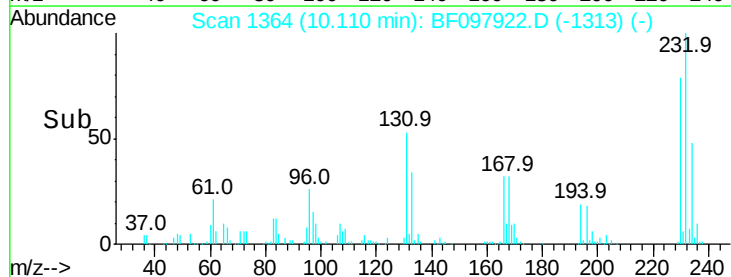
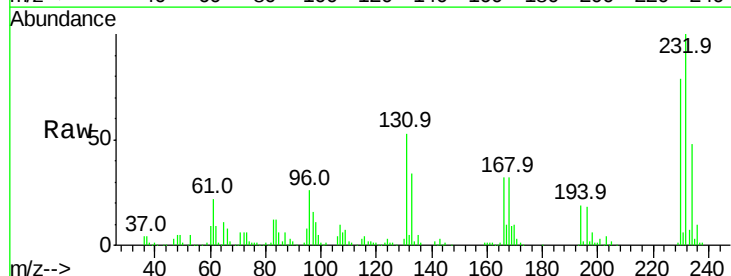
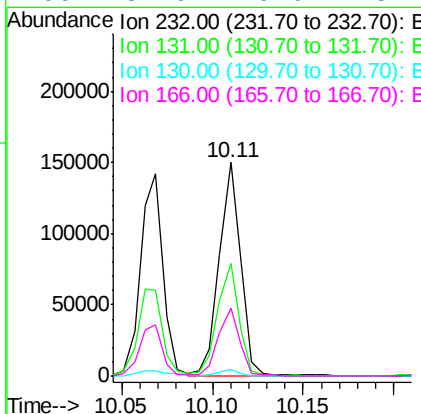
Manual Integrations
APPROVED

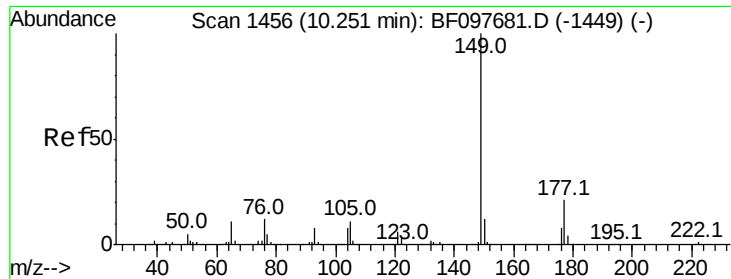
Sohil
 8/22/2017 5:44:44 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 41.931 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	52.9	44.8	67.2	
130	2.8	2.3	3.5	
166	31.9	29.0	43.4	





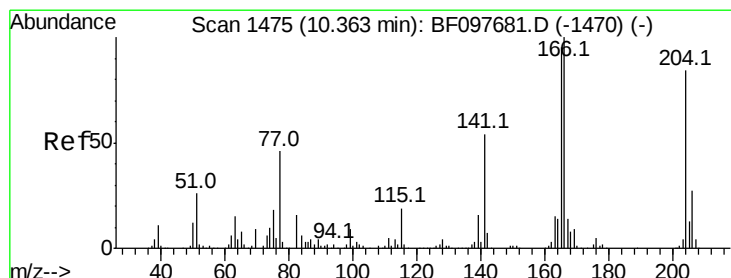
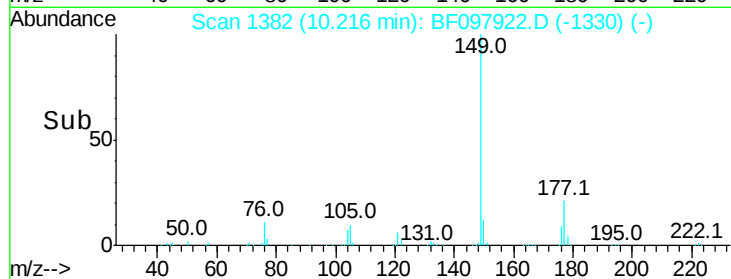
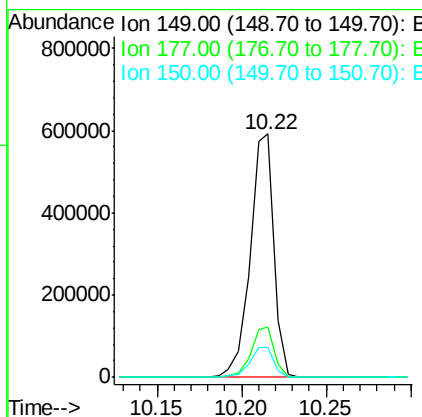
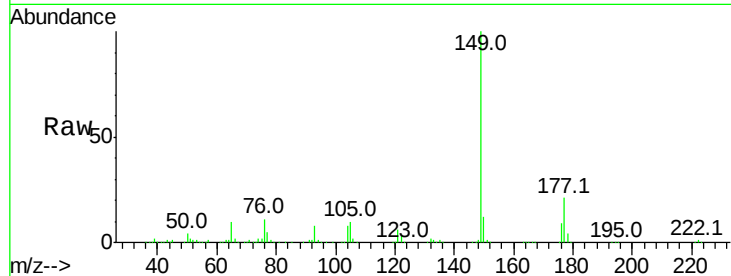
#59
Diethylphthalate
Concen: 40.436 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	579122		
177	20.8	16.7	25.1	
150	12.2	10.2	15.2	

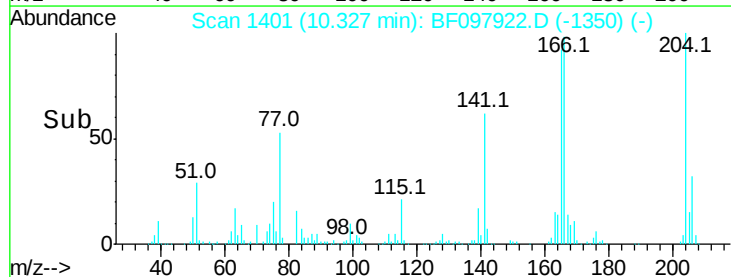
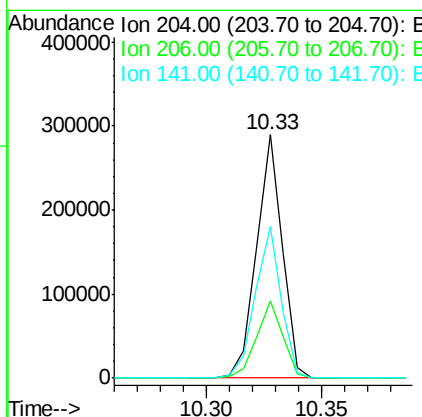
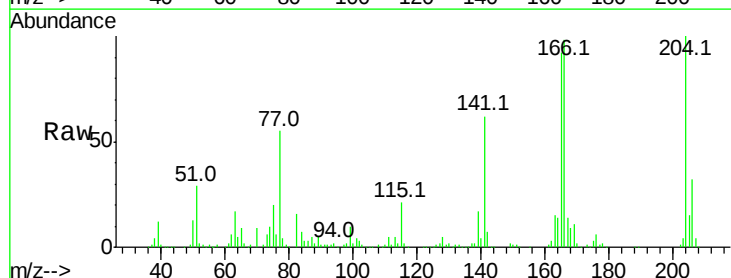
Manual Integrations
APPROVED

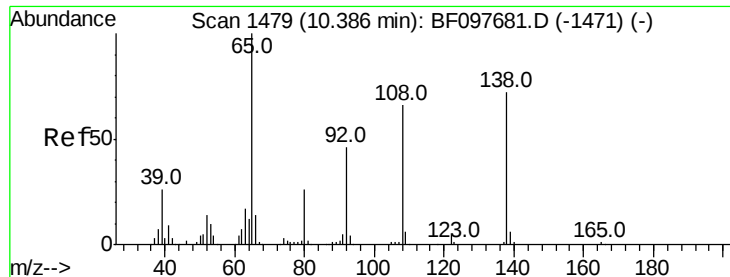
Sohil
8/22/2017 5:44:44 PM



#60
4-Chlorophenyl-phenylether
Concen: 37.604 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	226329		
206	31.8	26.2	39.2	
141	62.2	60.8	91.2	





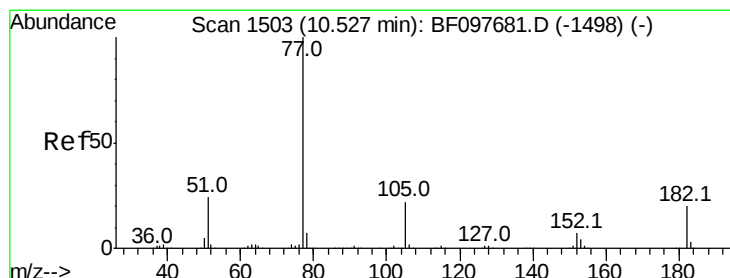
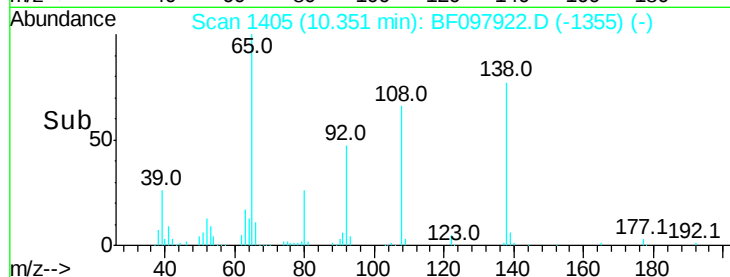
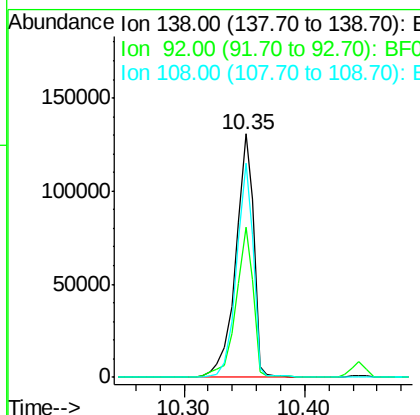
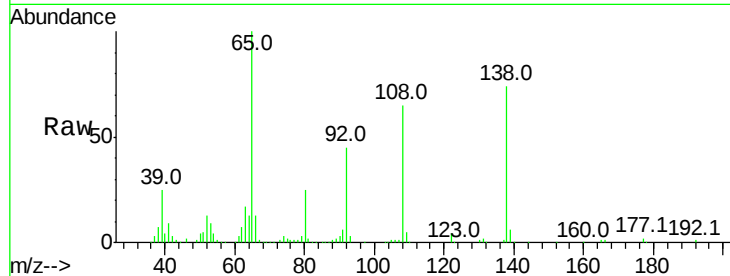
#61
4-Nitroaniline
Concen: 40.572 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	61.7	21.8	61.8	
108	88.1	42.3	82.3	

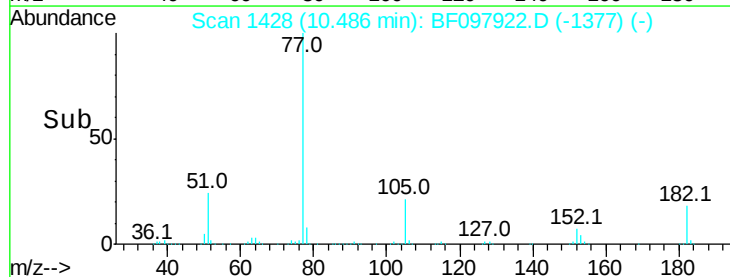
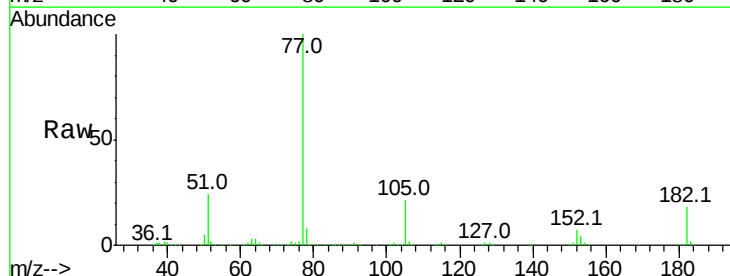
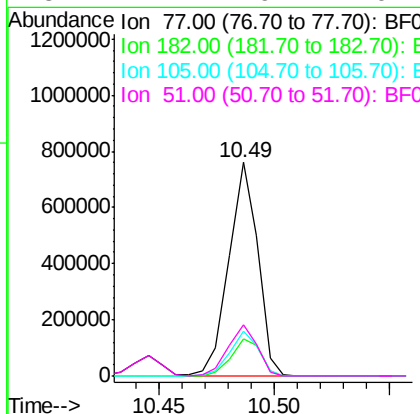
Manual Integrations
APPROVED

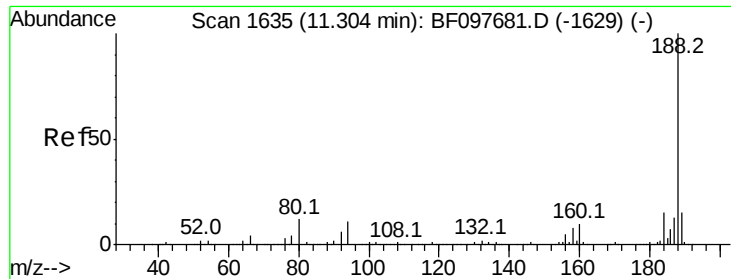
Sohil
8/22/2017 5:44:44 PM



#62
Azobenzene
Concen: 38.977 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	17.6	0.1	40.1	
105	20.8	3.6	43.6	
51	24.2	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: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

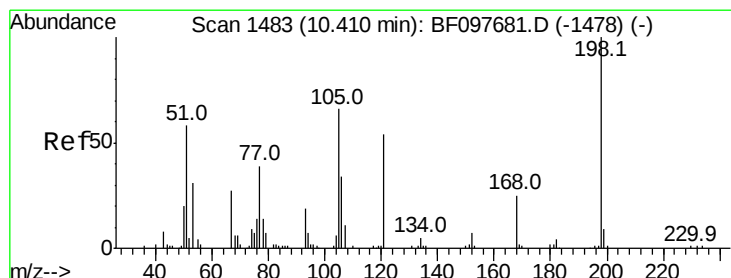
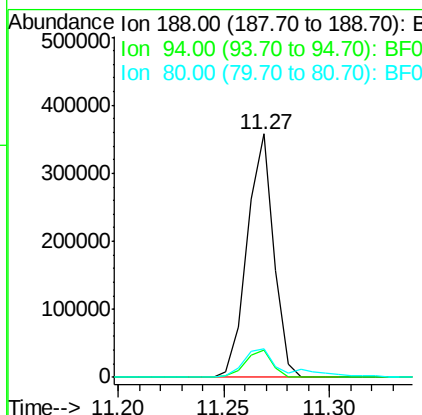
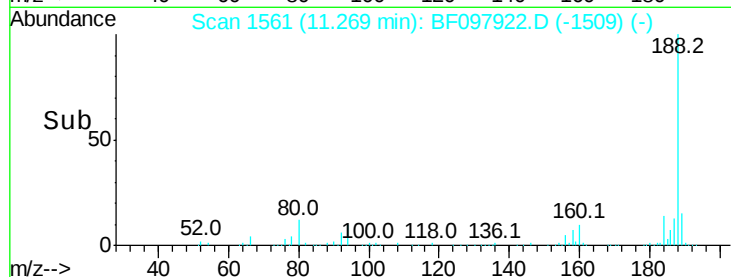
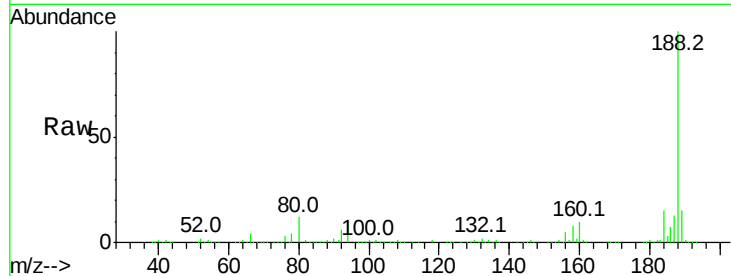
ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	188	Resp:	310505
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.9	10.2	15.2

Manual Integrations
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Sohil
8/22/2017 5:44:44 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 14.727 ng

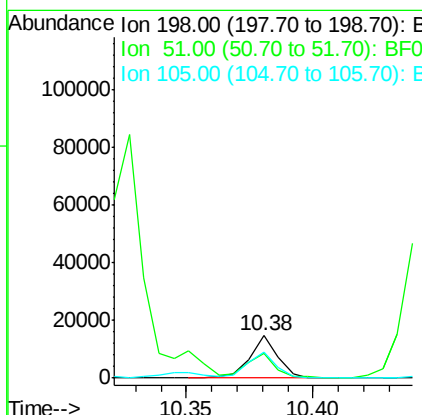
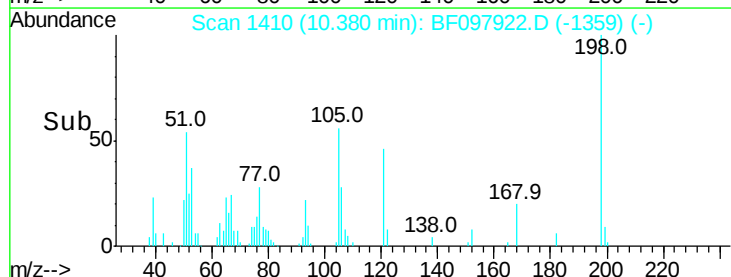
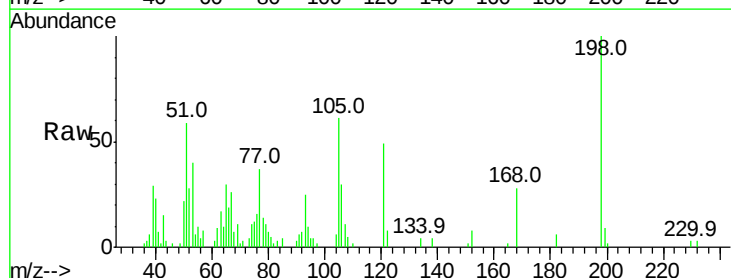
RT: 10.38 min Scan# 1410

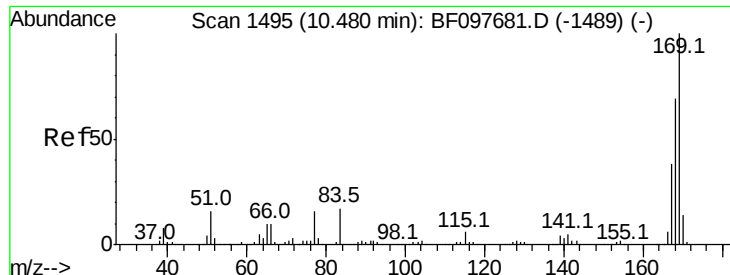
Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion:	198	Resp:	11340
Ion Ratio	Lower	Upper	
198	100		
51	59.3	53.2	93.2
105	60.7	45.8	85.8





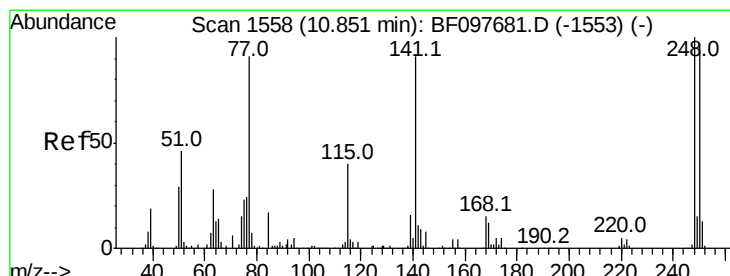
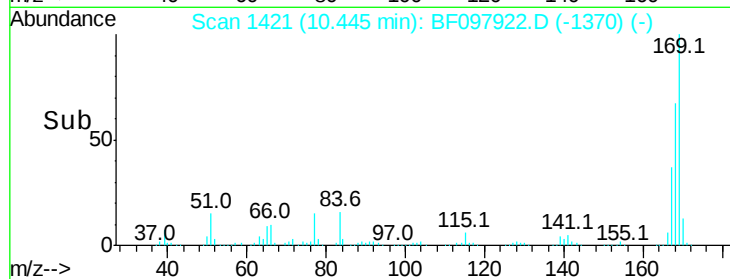
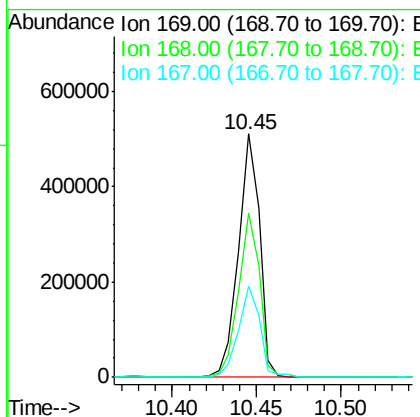
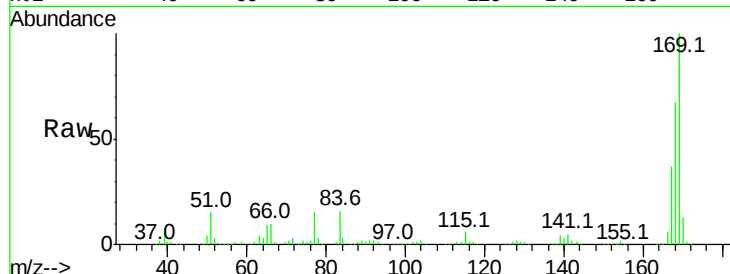
#65
 n-Nitrosodiphenylamine
 Concen: 42.070 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	444836		
168	67.4	53.2	79.8	
167	37.5	29.5	44.3	

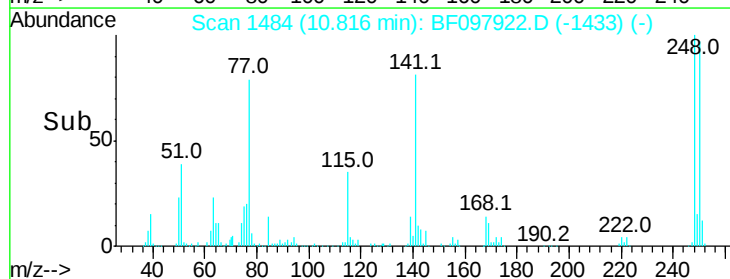
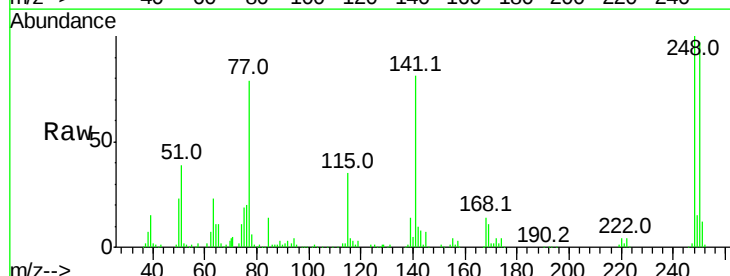
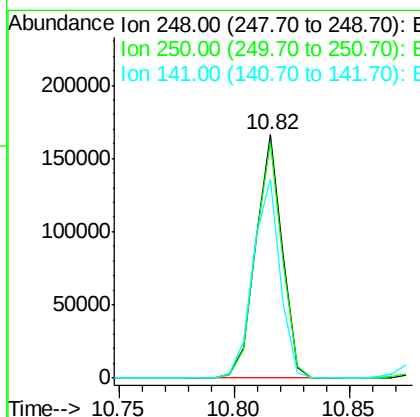
Manual Integrations
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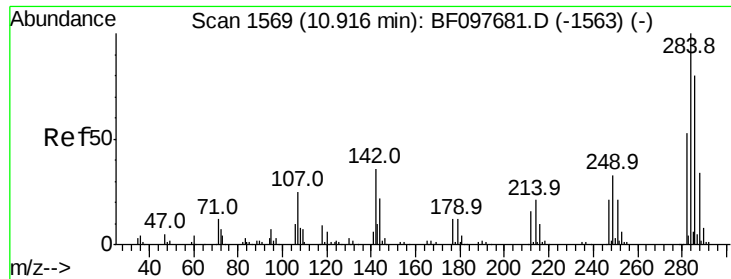
Sohil
 8/22/2017 5:44:44 PM



#66
 4-Bromophenyl-phenylether
 Concen: 41.212 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	132884		
250	97.0	76.8	115.2	
141	81.5	68.6	103.0	





#67

Hexachlorobenzene

Concen: 37.628 ng

RT: 10.88 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

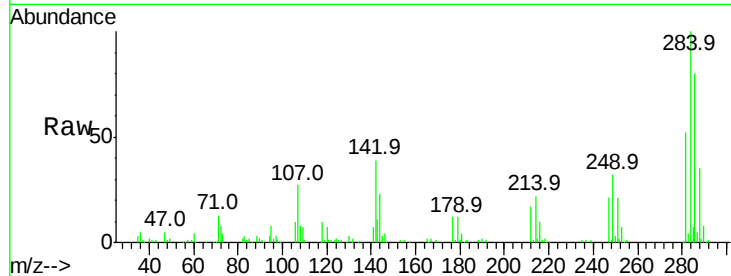
ClientSampleId :

CLEAN-SAND-6MS

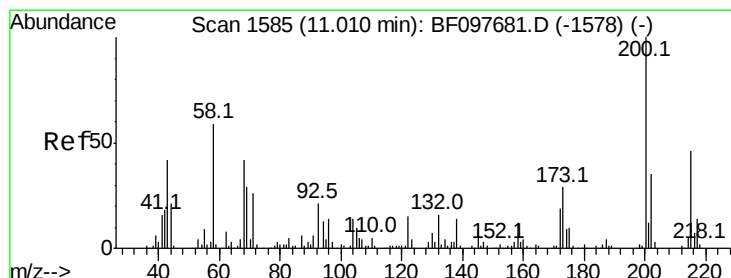
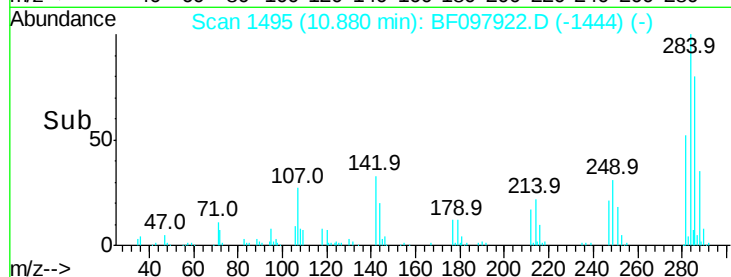
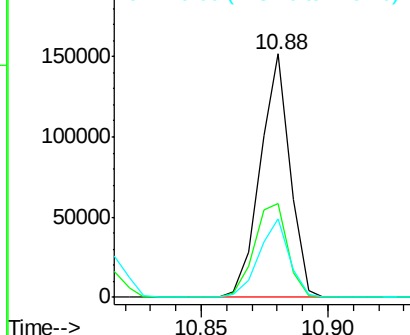
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	38.6	22.8	34.2#	
249	32.2	24.0	36.0	

Manual Integrations
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8/22/2017 5:44:44 PM



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



#68

Atrazine

Concen: 41.367 ng

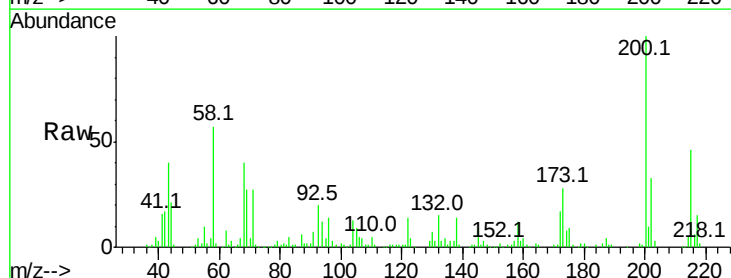
RT: 10.97 min Scan# 1511

Delta R.T. 0.00 min

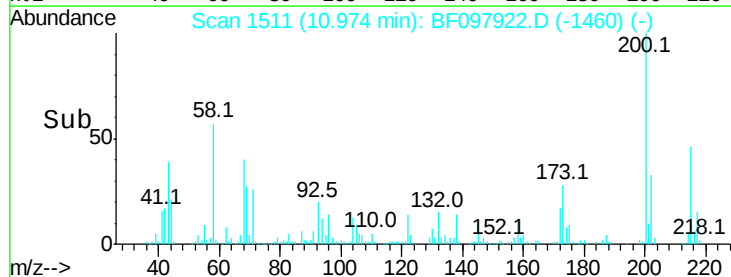
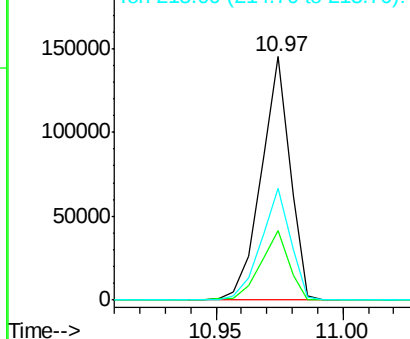
Lab File: BF097922.D

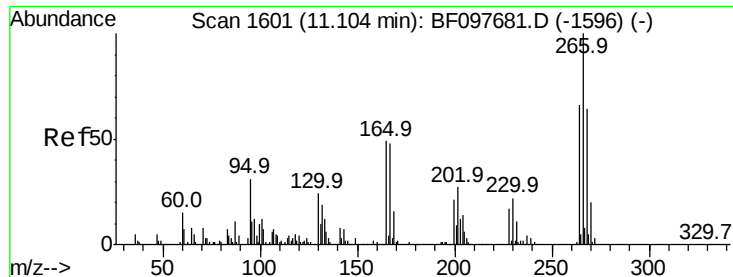
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.5	6.3	46.3	
215	46.2	27.2	67.2	



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





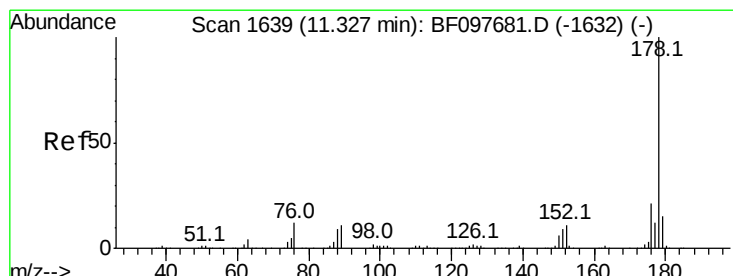
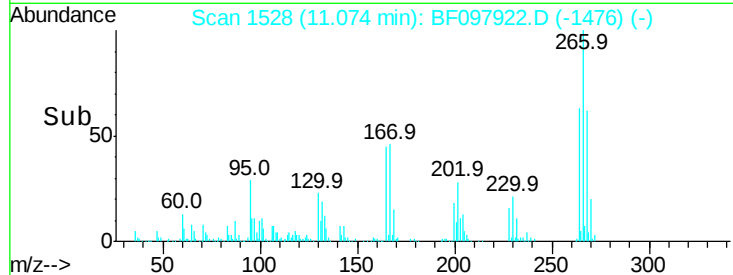
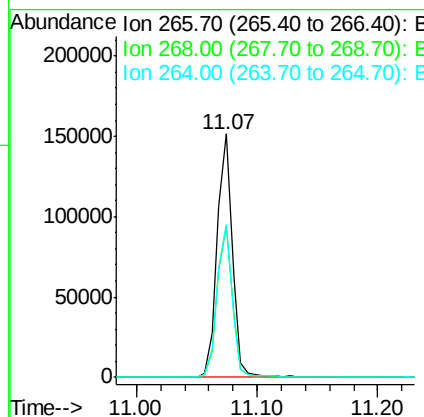
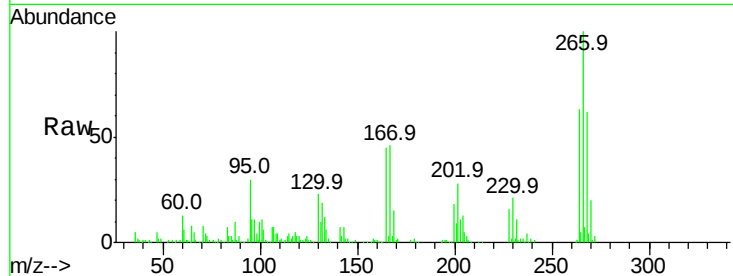
#69
 Pentachlorophenol
 Concen: 68.157 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	130603		
268	62.4	51.1	76.7	
264	62.8	51.7	77.5	

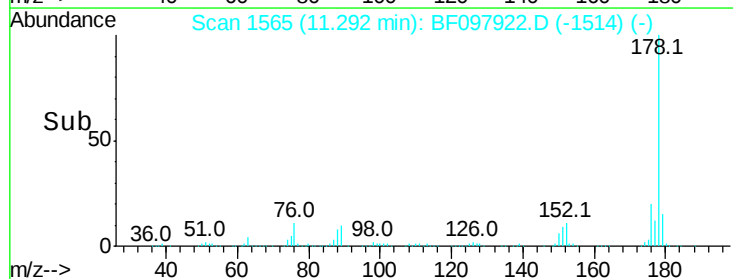
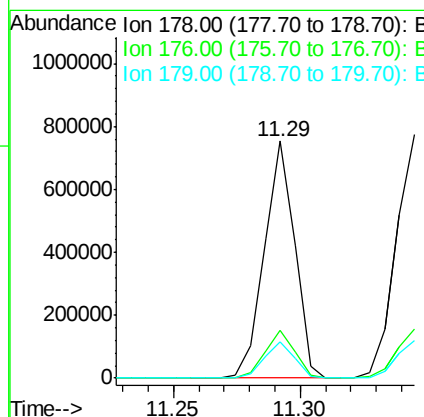
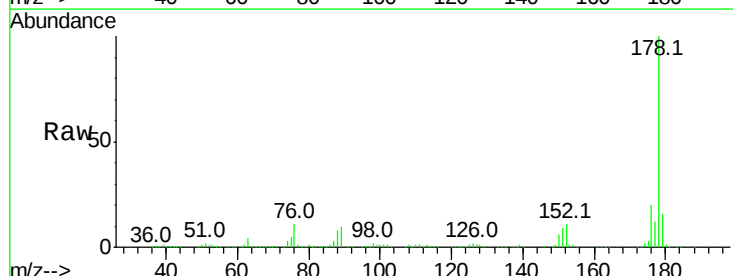
Manual Integrations
 APPROVED

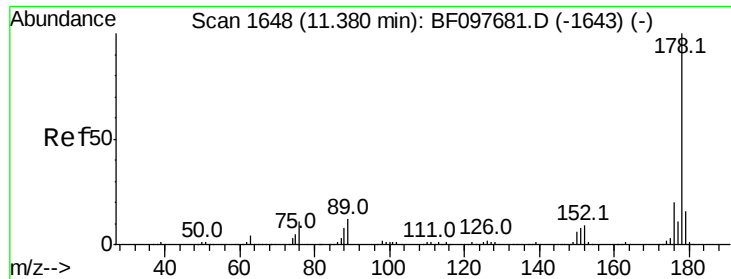
Sohil
 8/22/2017 5:44:44 PM



#70
 Phenanthrene
 Concen: 37.835 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	626012		
176	20.4	16.2	24.4	
179	15.6	12.6	19.0	





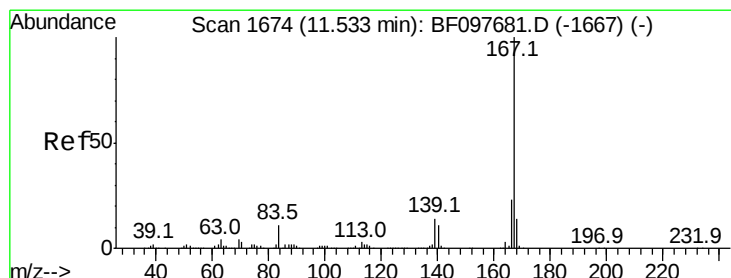
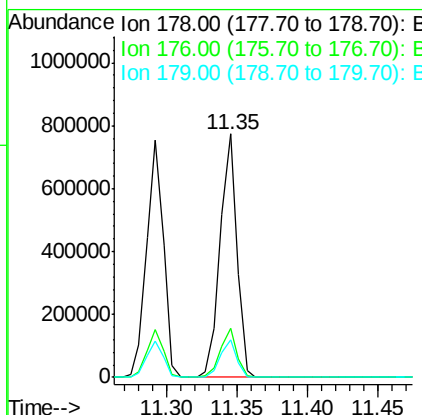
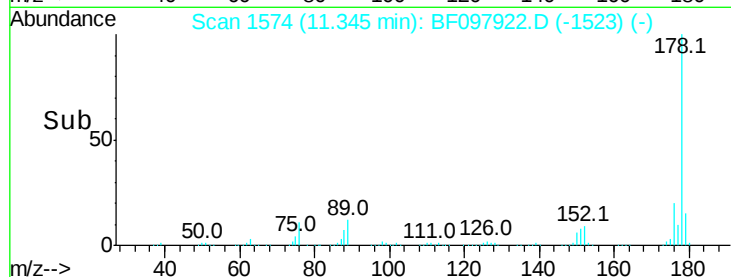
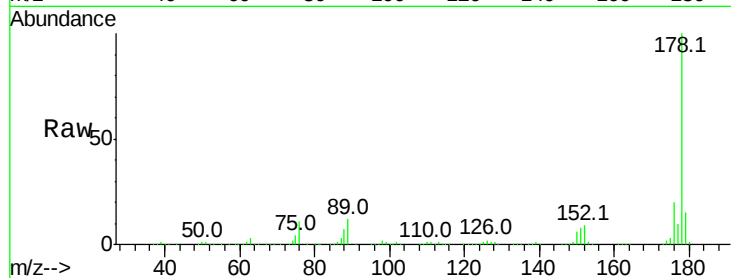
#71
 Anthracene
 Concen: 38.344 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	12.7	19.1

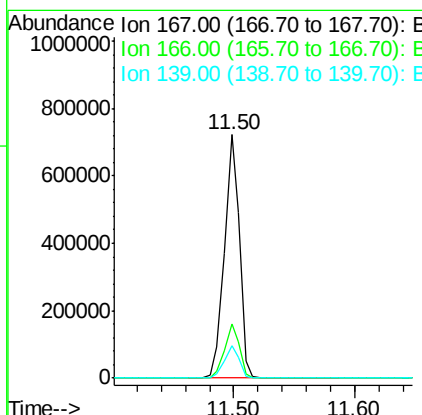
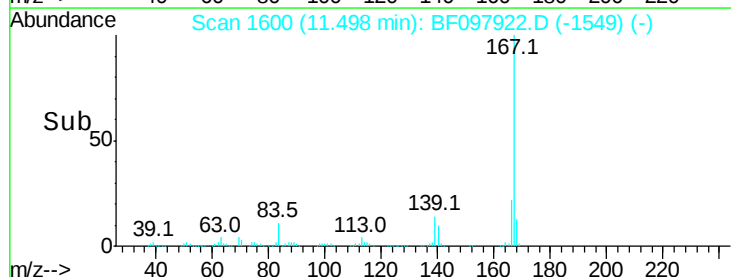
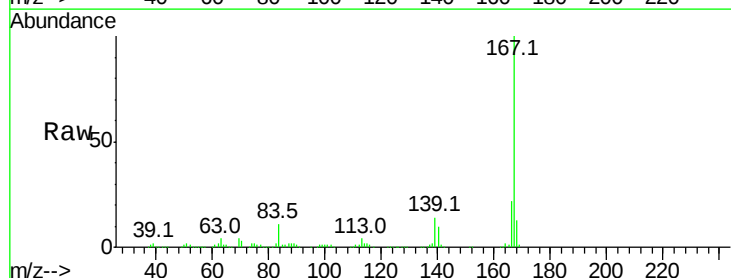
Manual Integrations
 APPROVED

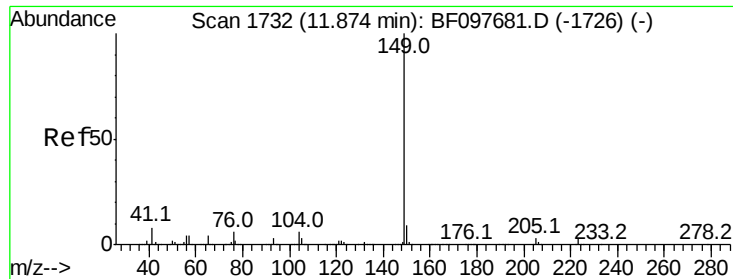
Sohil
 8/22/2017 5:44:44 PM



#72
 Carbazole
 Concen: 38.791 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	13.6	11.7	17.5





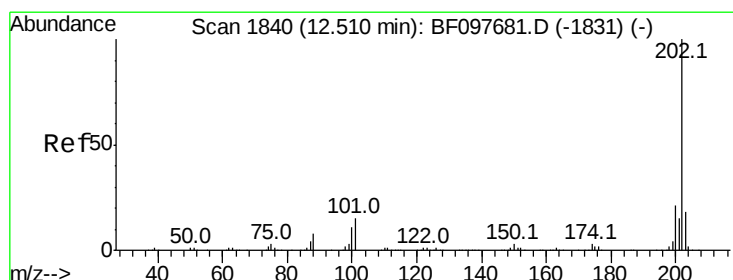
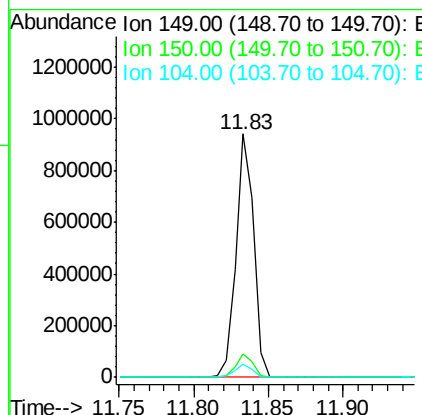
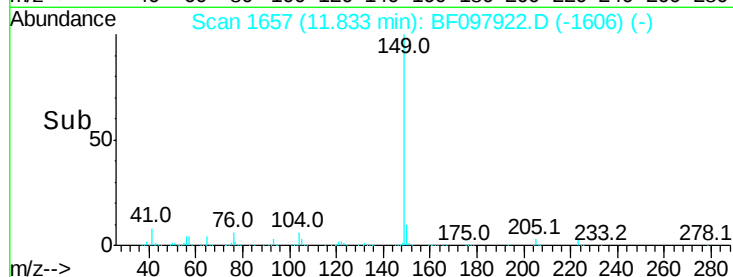
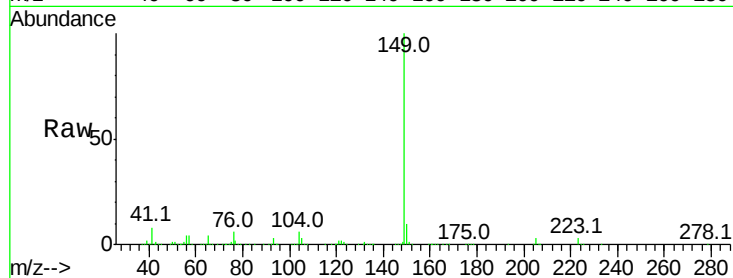
#73
Di-n-butylphthalate
Concen: 42.810 ng
RT: 11.83 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.6	4.0	6.0

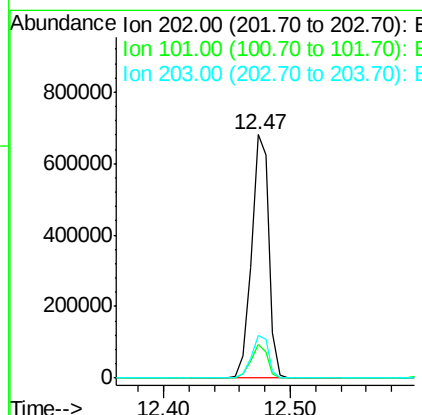
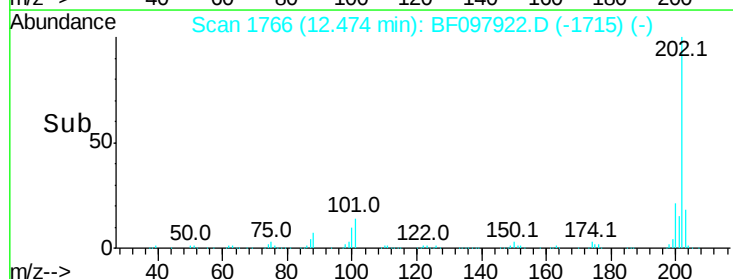
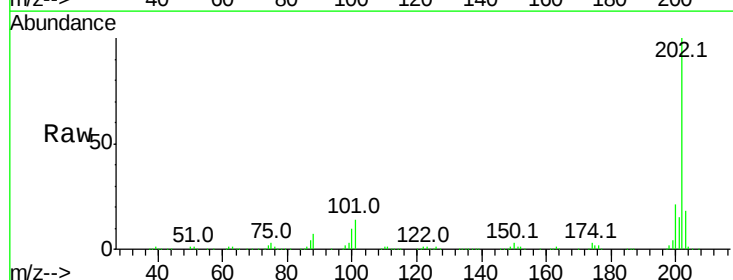
Manual Integrations
APPROVED

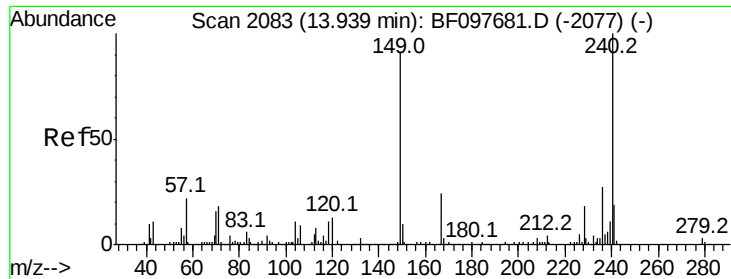
Sohil
8/22/2017 5:44:44 PM



#74
Fluoranthene
Concen: 37.196 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.8	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: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:240 Resp: 241547
Ion Ratio Lower Upper

240 100

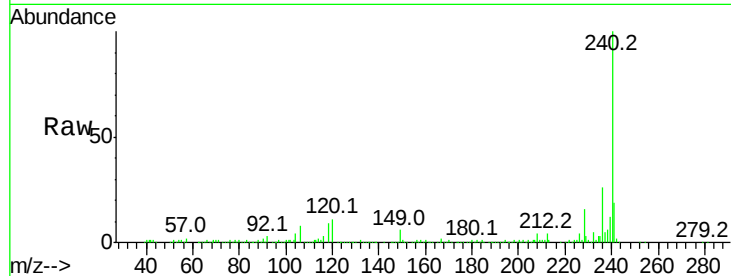
120 11.3 5.8 8.8#

236 25.7 20.5 30.7

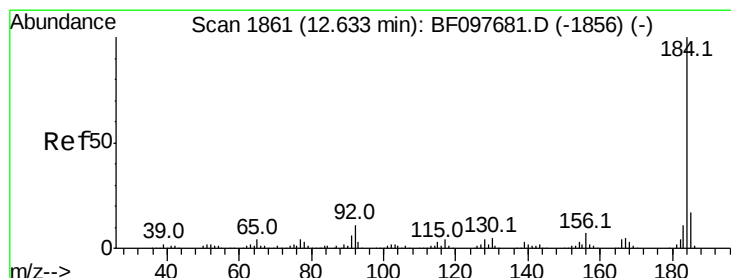
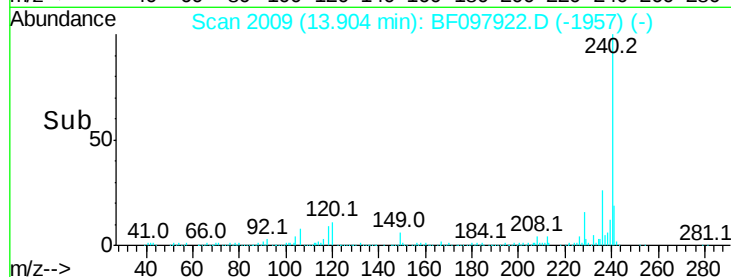
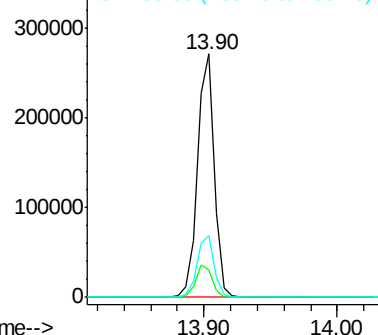
Manual Integrations
APPROVED

Sohil

8/22/2017 5:44:44 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: 76.822 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF097922.D

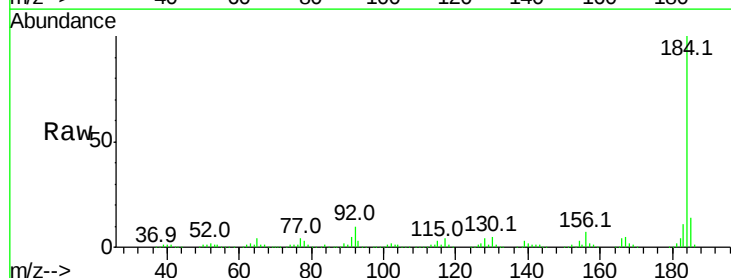
Acq: 21 Aug 2017 23:06

Tgt Ion:184 Resp: 608411
Ion Ratio Lower Upper

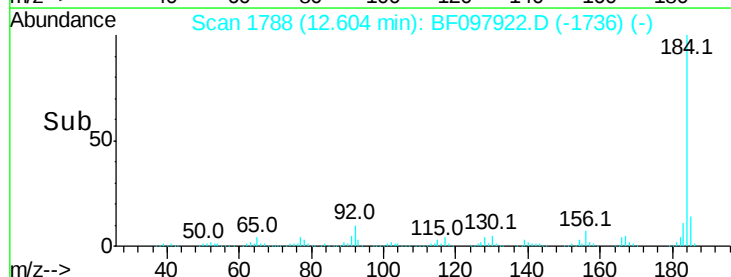
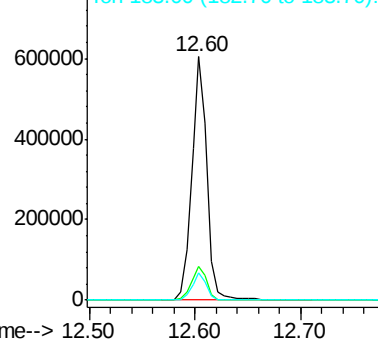
184 100

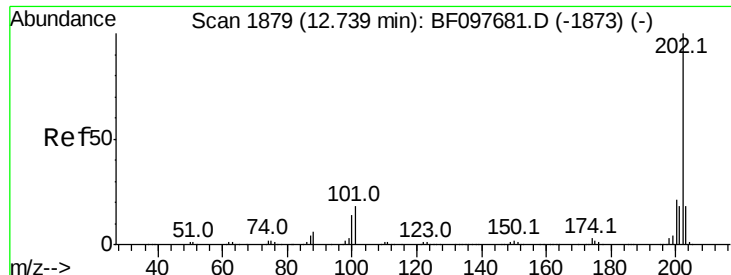
185 14.1 15.5 23.3#

183 11.1 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





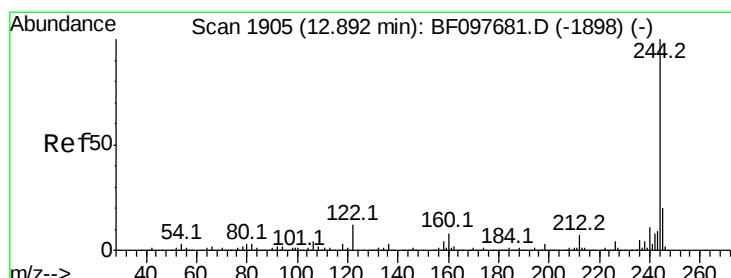
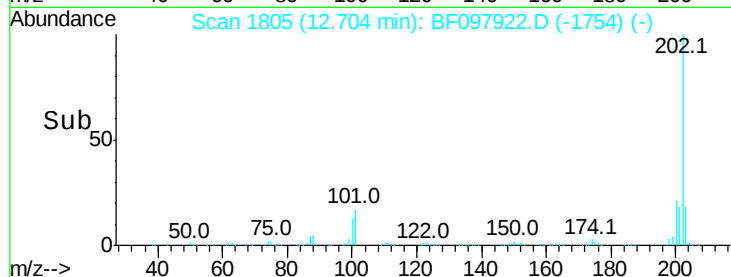
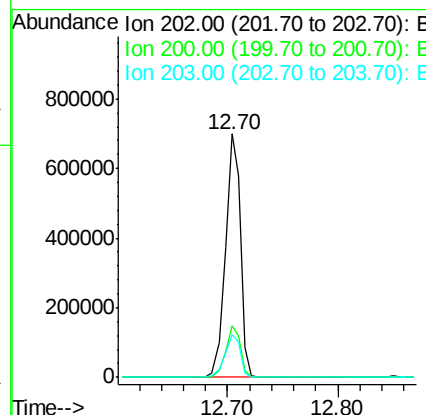
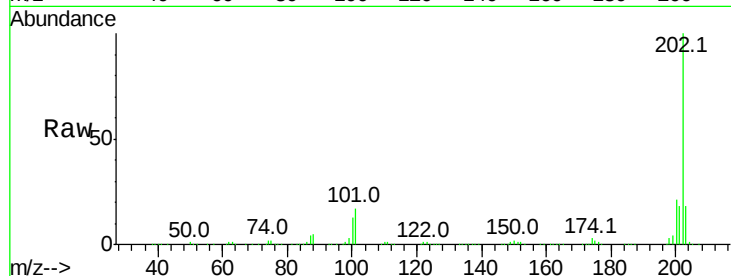
#77
Pvrene
Concen: 33.257 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	657026		
200	21.0		17.6	26.4
203	17.7		14.4	21.6

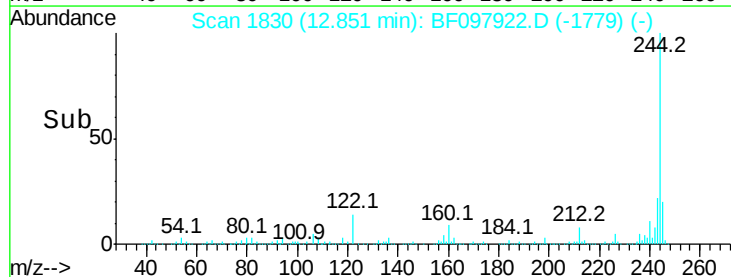
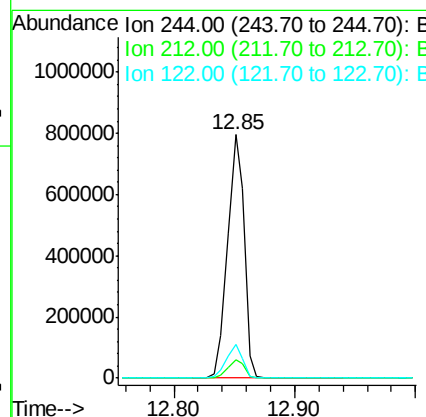
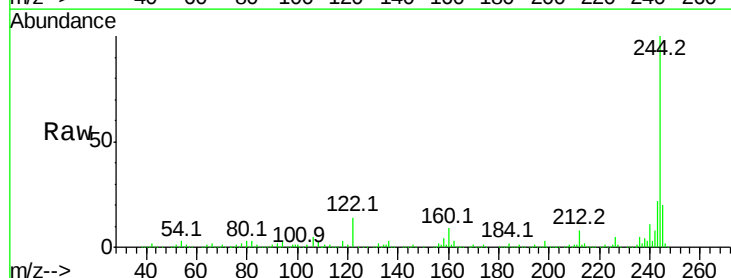
Manual Integrations
APPROVED

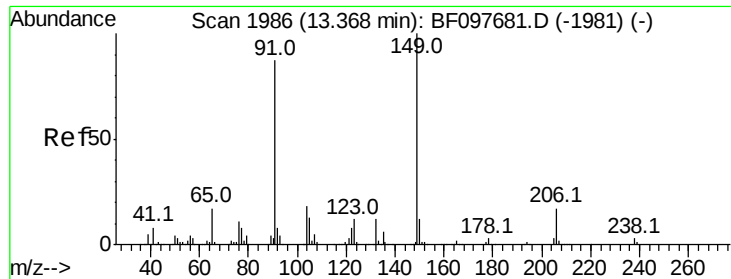
Sohil
8/22/2017 5:44:44 PM



#78
Terphenyl-d14
Concen: 64.956 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	752393		
212	7.6		6.0	9.0
122	13.6		10.3	15.5





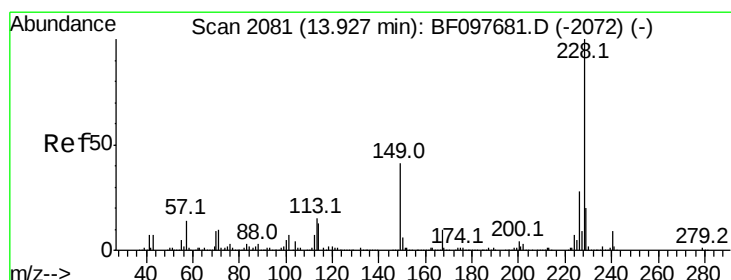
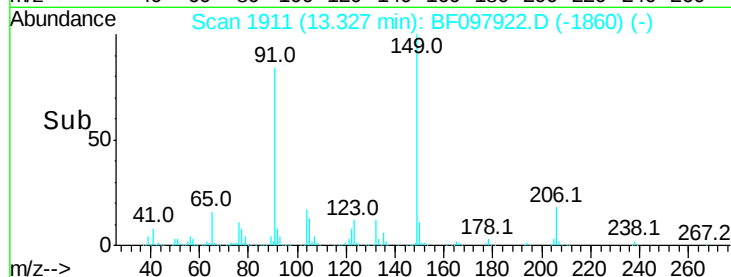
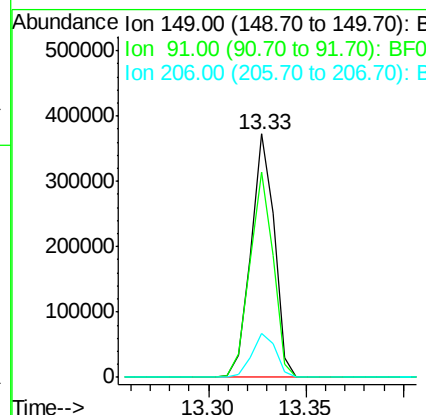
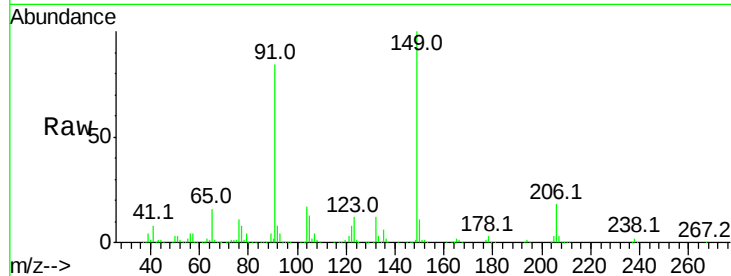
#79
Butylbenzylphthalate
Concen: 40.905 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	309833		
91	84.3	45.0	67.4#	
206	17.9	17.0	25.6	

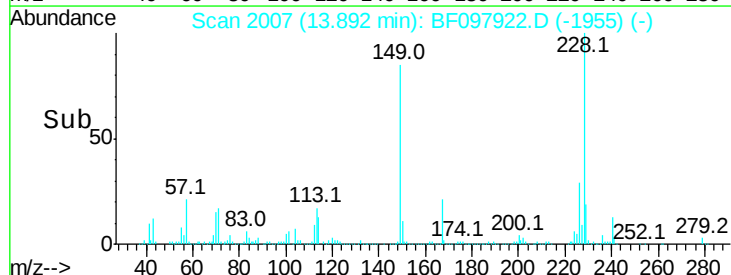
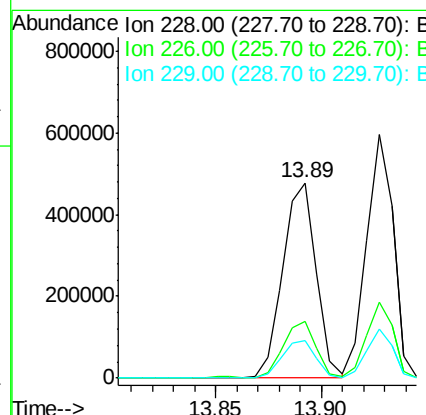
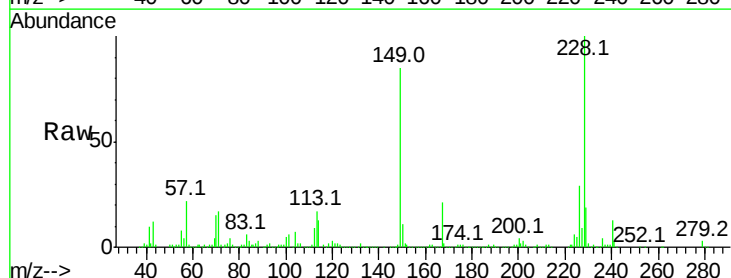
Manual Integrations
APPROVED

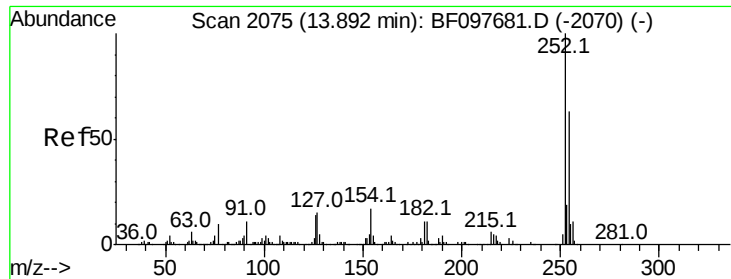
Sohil
8/22/2017 5:44:44 PM



#80
Benzo(a)anthracene
Concen: 36.340 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	526086		
226	29.0	22.6	33.8	
229	19.2	16.3	24.5	





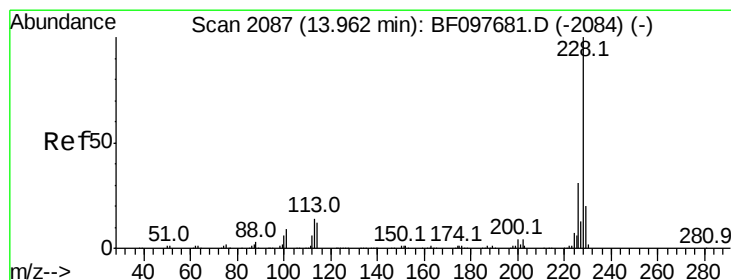
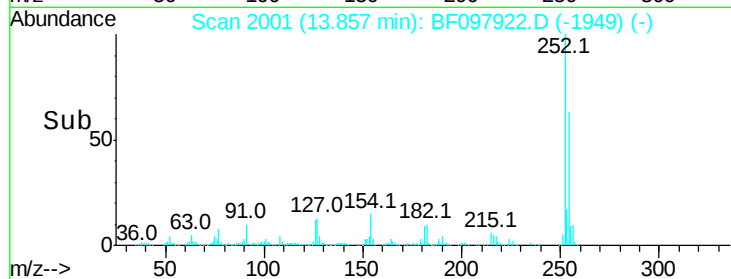
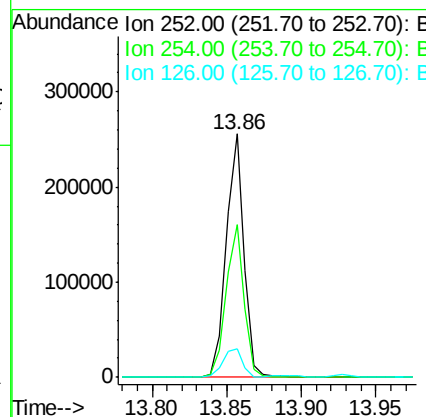
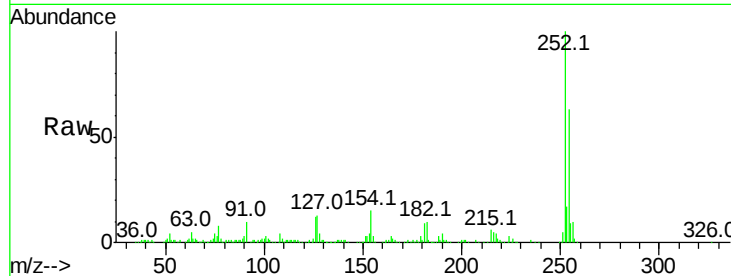
#81
 3,3'-Dichlorobenzidine
 Concen: 44.208 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	62.6	51.5	77.3
126	11.8	15.8	23.8

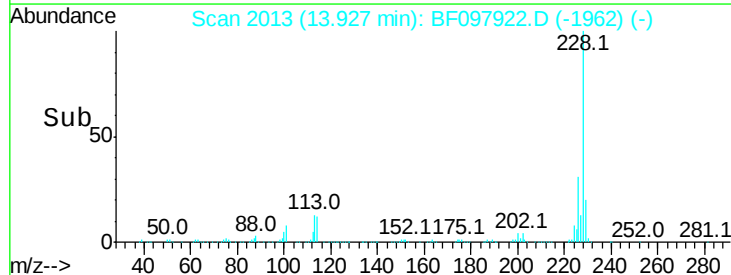
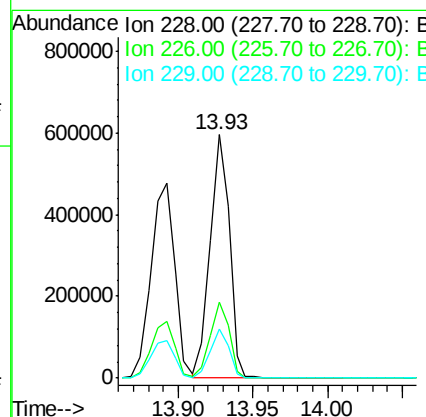
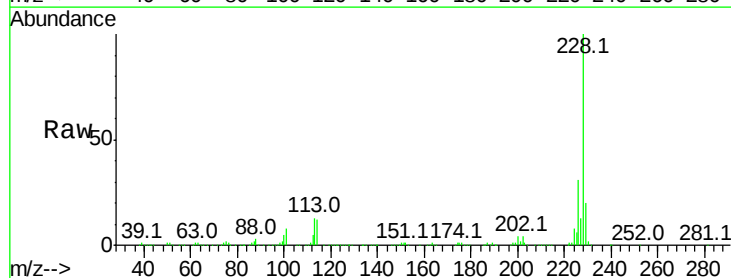
Manual Integrations
 APPROVED

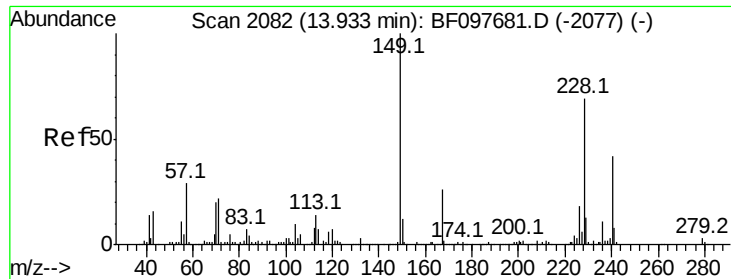
Sohil
 8/22/2017 5:44:44 PM



#82
 Chrysene
 Concen: 36.832 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.4	24.9	37.3
229	20.3	15.8	23.6





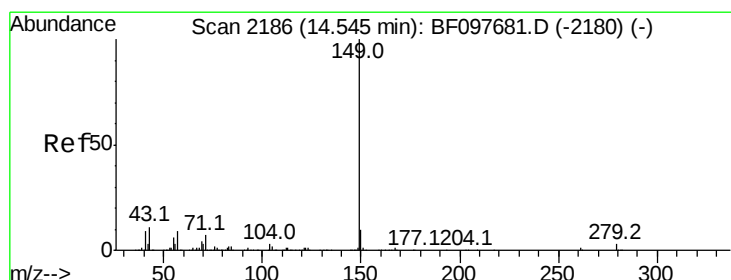
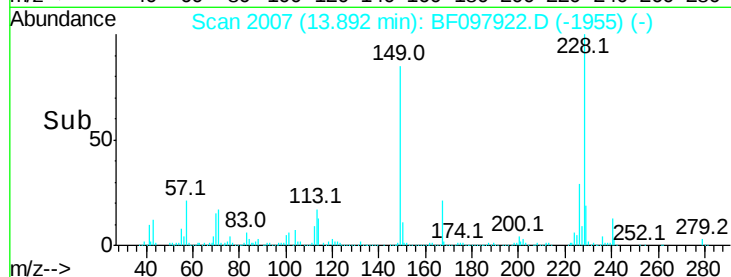
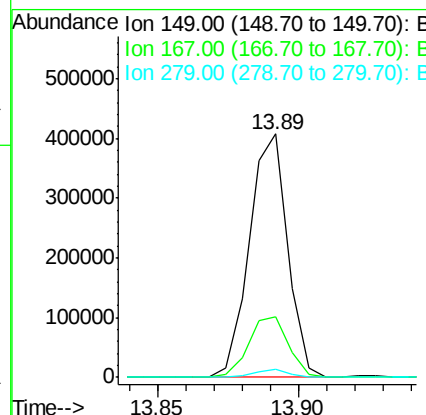
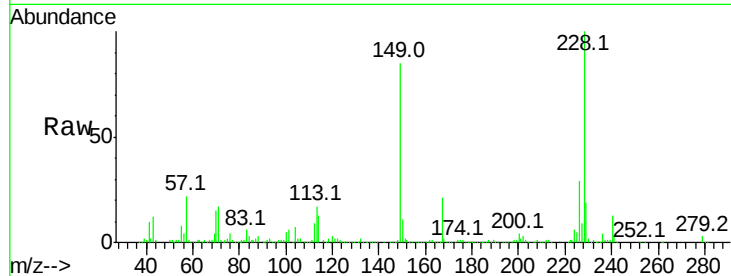
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.552 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.1	21.0	31.4	
279	3.3	1.9	2.9	

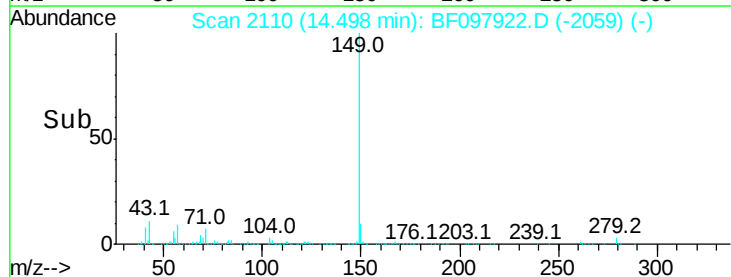
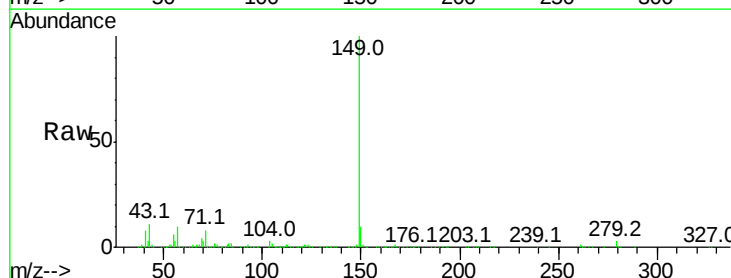
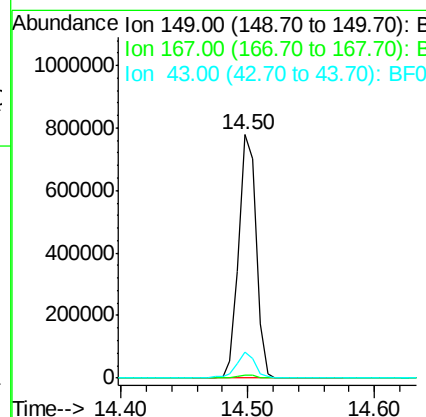
Manual Integrations
 APPROVED

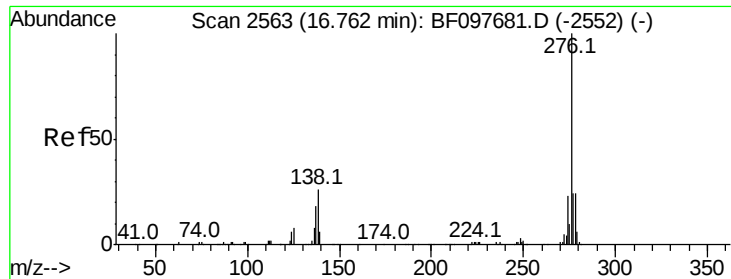
Sohil
 8/22/2017 5:44:44 PM



#84
 Di-n-octyl phthalate
 Concen: 50.118 ng
 RT: 14.50 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

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





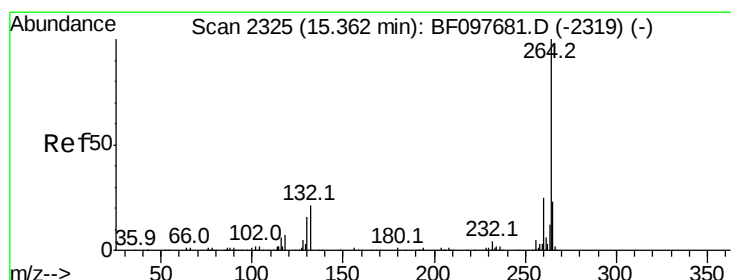
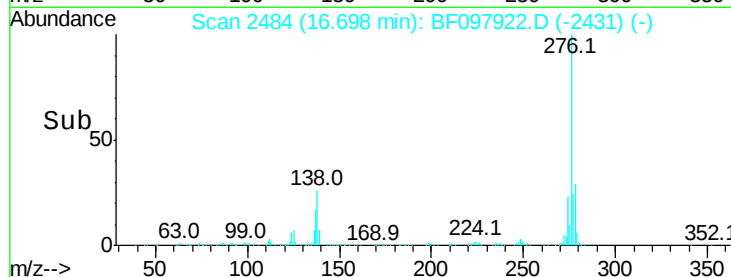
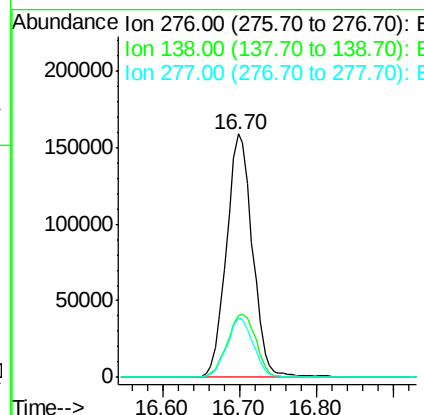
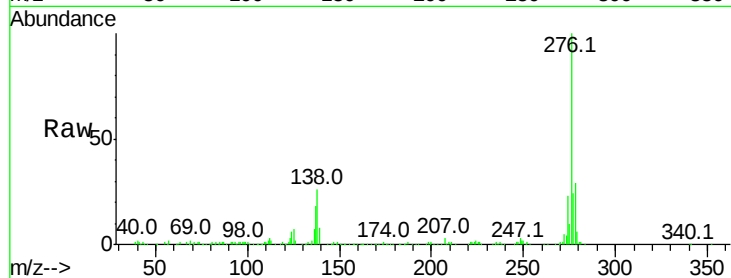
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.414 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	27.8	41.6
277	24.7	20.2	30.4

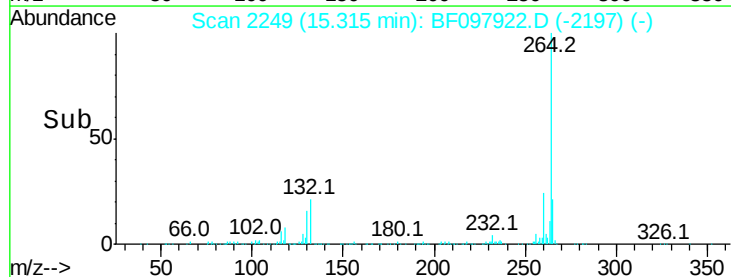
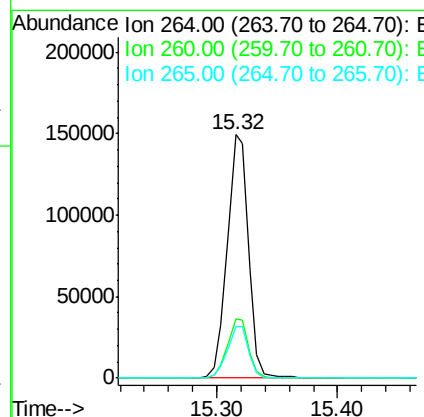
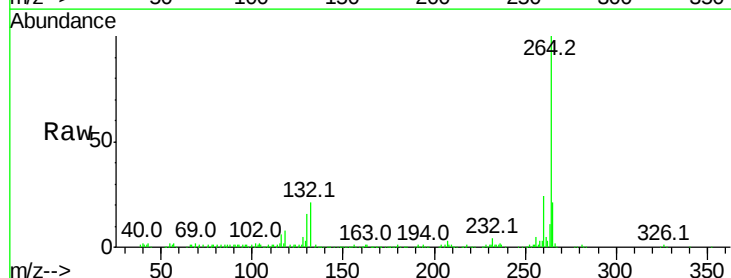
Manual Integrations
 APPROVED

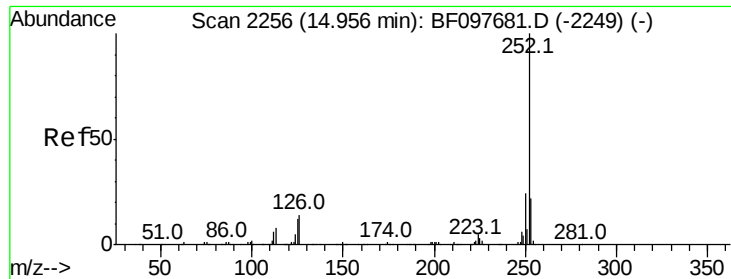
Sohil
 8/22/2017 5:44:44 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.4	17.2	25.8





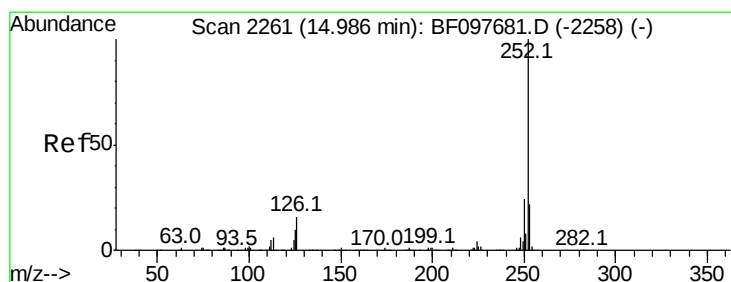
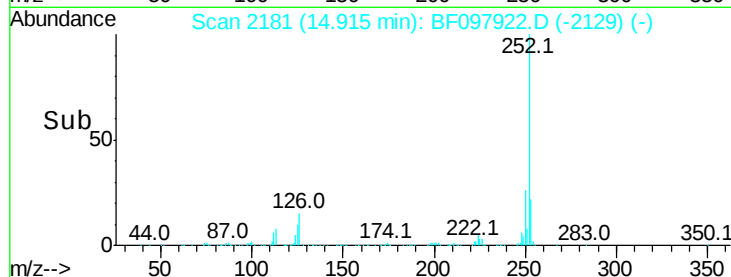
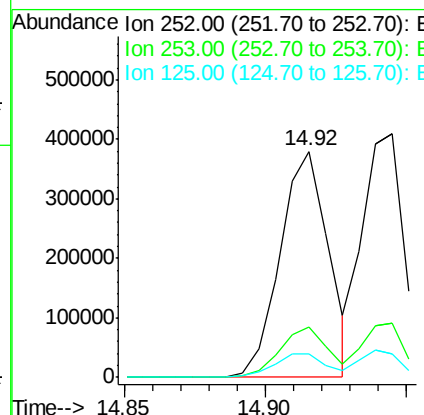
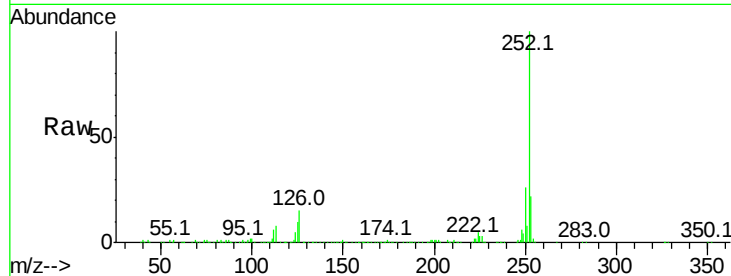
#87
Benzo(b)fluoranthene
Concen: 39.447 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.4	9.8	14.8

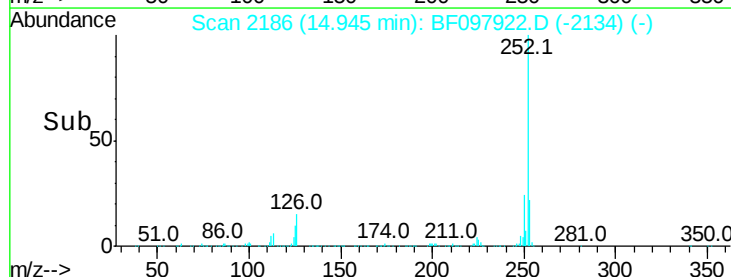
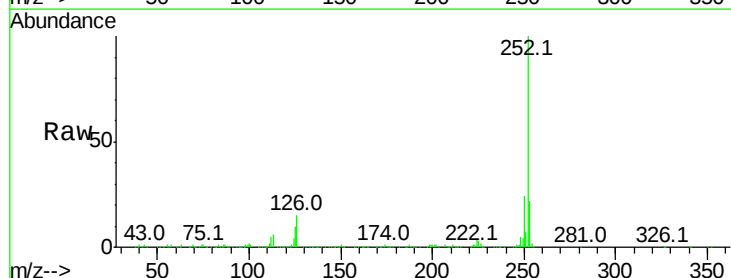
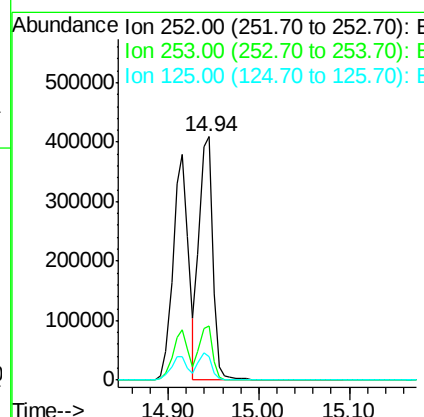
Manual Integrations
APPROVED

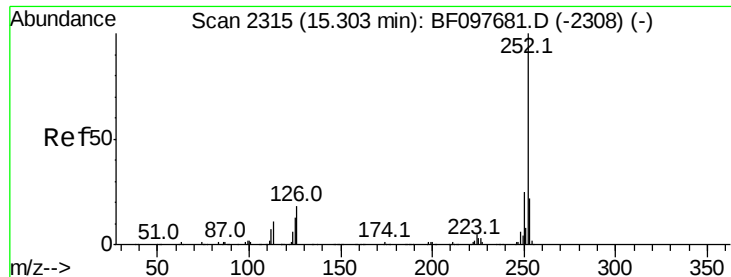
Sohil
8/22/2017 5:44:44 PM



#88
Benzo(k)fluoranthene
Concen: 39.803 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	9.7	13.1	19.7





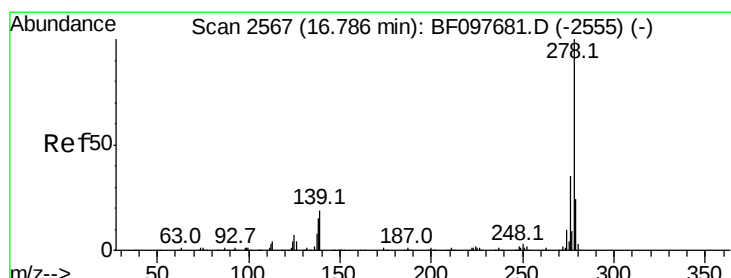
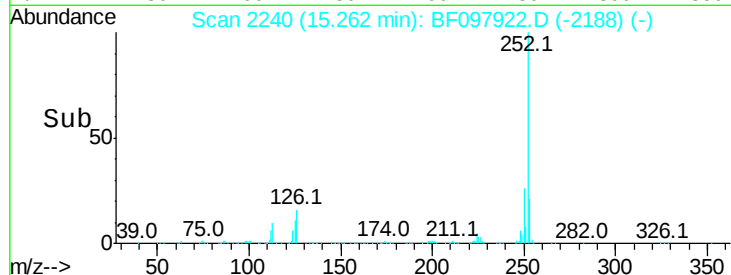
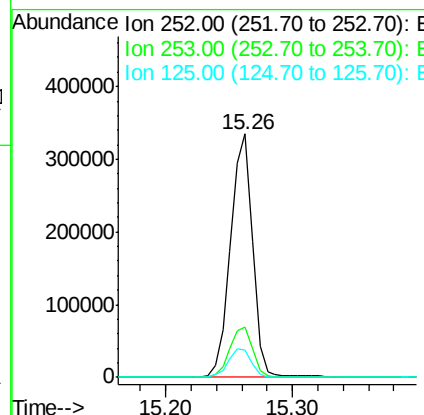
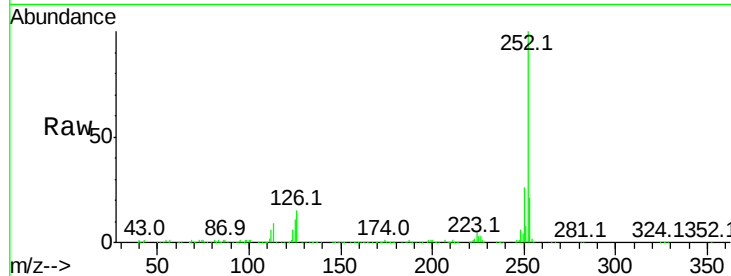
#89
Benzo(a)pyrene
Concen: 40.082 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

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

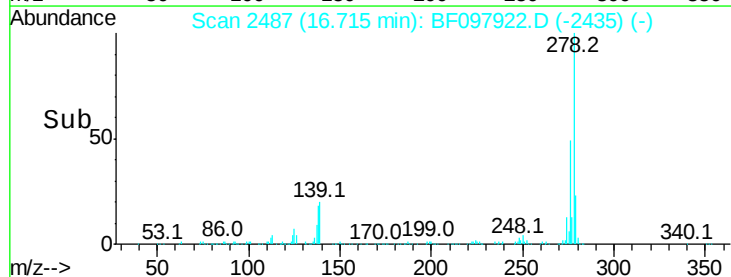
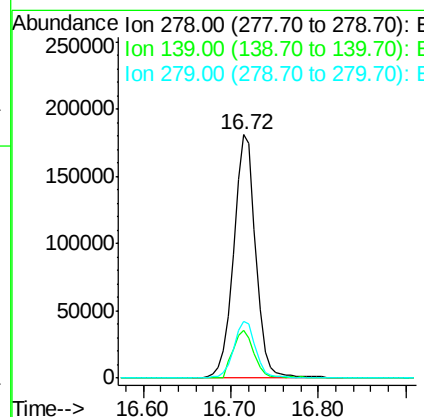
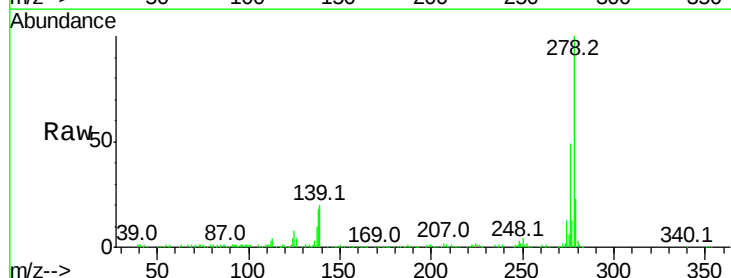
Manual Integrations
APPROVED

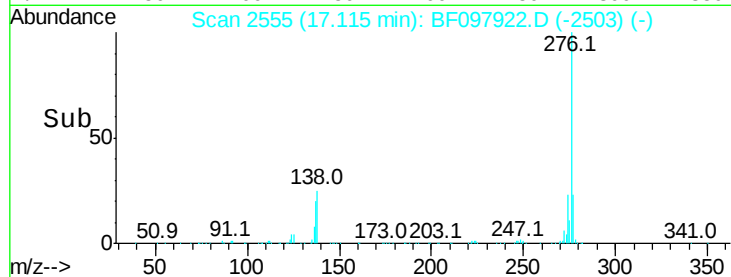
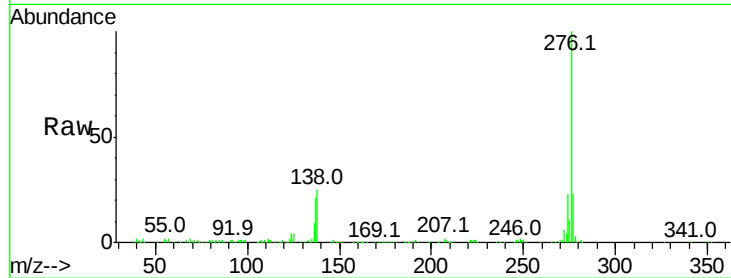
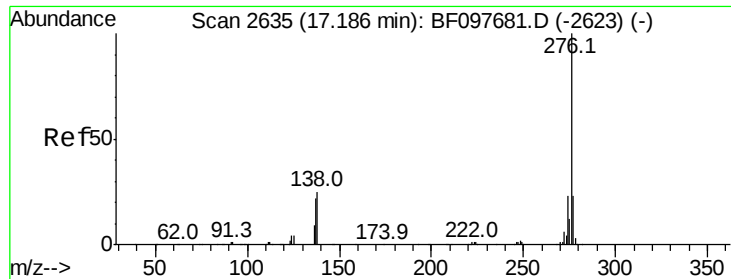
Sohil
8/22/2017 5:44:44 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.094 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	19.9	16.6	24.8	
279	23.2	19.3	28.9	





#91

Benzo(a,h,i)perylene

Concen: 35.744 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:	276	Resp:	306488
Ion Ratio		Lower	Upper
276	100		
277	23.4	18.6	28.0
138	25.4	25.4	38.0

Manual Integrations
APPROVED

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

