

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032953.D
 Acq On : 2 Mar 2018 19:47
 Operator : SJ/JU
 Sample : J1774-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:18:07 PM

Quant Time: Mar 02 23:59:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	62212	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	277311	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	159773	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	352062	20.00	ng	0.00
75) Chrysene-d12	22.62	240	312854	20.00	ng	0.00
86) Perylene-d12	26.43	264	341581	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.33	112	599358	154.13	ng	0.00
7) Phenol-d6	8.02	99	814631	150.30	ng	0.00
23) Nitrobenzene-d5	10.12	82	481637	116.38	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	264069	157.19	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	994706	89.79	ng	0.00
78) Terphenyl-d14	20.78	244	1339509	96.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.96	88	69258	41.038	ng	93
3) Pyridine	4.43	79	194799	41.879	ng	99
4) n-Nitrosodimethylamine	4.33	42	111970	60.041	ng	# 87
6) Aniline	8.21	93	193991	26.441	ng	97
8) 2-Chlorophenol	8.46	128	225756	53.041	ng	95
9) Benzaldehyde	8.01	77	85006	27.212	ng	94
10) Phenol	8.05	94	326037	59.672	ng	93
11) bis(2-Chloroethyl)ether	8.30	93	208882	46.753	ng	97
12) 1,3-Dichlorobenzene	8.80	146	224947	45.123	ng	97
13) 1,4-Dichlorobenzene	8.96	146	227909	45.418	ng	96
14) 1,2-Dichlorobenzene	9.29	146	215502	44.815	ng	97
15) Benzyl Alcohol	9.15	79	201319	50.523	ng	93
16) 2,2'-oxybis(1-Chloropropan	9.44	45	378020	49.218	ng	99
17) 2-Methylphenol	9.34	107	199227	49.448	ng	95
18) Hexachloroethane	10.05	117	83059	48.613	ng	89
19) n-Nitroso-di-n-propylamine	9.73	70	175910	45.971	ng	# 92
20) 3+4-Methylphenols	9.68	107	276316	49.324	ng	95
22) Acetophenone	9.76	105	323805	46.235	ng	# 97
24) Nitrobenzene	10.16	77	242970	54.018	ng	92
25) Isophorone	10.68	82	484829	49.811	ng	95
26) 2-Nitrophenol	10.89	139	122430	68.199	ng	96
27) 2,4-Dimethylphenol	10.92	122	242979	57.465	ng	90
28) bis(2-Chloroethoxy)methane	11.16	93	290321	51.200	ng	95
29) 2,4-Dichlorophenol	11.43	162	213356	55.596	ng	93
30) 1,2,4-Trichlorobenzene	11.66	180	205649	45.715	ng	97
31) Naphthalene	11.86	128	679657	46.904	ng	99
32) Benzoic acid	11.02	122	140628	51.617	ng	# 82
33) 4-Chloroaniline	11.94	127	169848	26.215	ng	95
34) Hexachlorobutadiene	12.12	225	110688	43.867	ng	99
35) Caprolactam	12.69	113	86481	56.280	ng	95
36) 4-Chloro-3-methylphenol	13.00	107	254562	57.002	ng	91
37) 2-Methylnaphthalene	13.40	142	502126	47.896	ng	91
39) 1,2,4,5-Tetrachlorobenzene	13.76	216	211805	44.657	ng	# 96
40) Hexachlorocyclopentadiene	13.73	237	248907	102.975	ng	91

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Quant Time: Mar 02 23:59:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.98	196	164364	54.952	nq	97
43) 2,4,5-Trichlorophenol	14.05	196	179877	51.961	nq	# 96
45) 1,1'-Biphenyl	14.37	154	629216	45.067	nq	94
46) 2-Chloronaphthalene	14.43	162	478777	45.907	nq	98
47) 2-Nitroaniline	14.61	65	172219	61.896	nq	91
48) Acenaphthylene	15.27	152	781880	45.791	nq	99
49) Dimethylphthalate	14.96	163	740770	54.604	nq	99
50) 2,6-Dinitrotoluene	15.09	165	139835	59.629	nq	92
51) Acenaphthene	15.60	154	538142	50.605	nq	97
52) 3-Nitroaniline	15.42	138	104501	39.250	nq	# 85
53) 2,4-Dinitrophenol	15.62	184	117794	132.860	nq	94
54) Dibenzofuran	15.92	168	722477	47.714	nq	94
55) 4-Nitrophenol	15.69	139	240706	105.841	nq	84
56) 2,4-Dinitrotoluene	15.86	165	196923	67.350	nq	85
57) Fluorene	16.57	166	578069	46.255	nq	99
58) 2,3,4,6-Tetrachlorophenol	16.13	232	153962m	57.283	nq	
59) Diethylphthalate	16.30	149	677915	47.377	nq	98
60) 4-Chlorophenyl-phenylether	16.54	204	289518	47.356	nq	91
61) 4-Nitroaniline	16.57	138	151130	51.077	nq	85
62) Azobenzene	16.83	77	649288	50.722	nq	96
64) 4,6-Dinitro-2-methylphenol	16.62	198	90902	73.302	nq	93
65) n-Nitrosodiphenylamine	16.75	169	541422	47.273	nq	99
66) 4-Bromophenyl-phenylether	17.43	248	173879	46.708	nq	# 87
67) Hexachlorobenzene	17.56	284	178384	44.342	nq	# 91
68) Atrazine	17.67	200	189783	50.341	nq	95
69) Pentachlorophenol	17.90	266	244043	96.308	nq	98
70) Phenanthrene	18.30	178	918349	46.755	nq	98
71) Anthracene	18.40	178	937737	47.555	nq	99
72) Carbazole	18.65	167	889605	45.770	nq	98
73) Di-n-butylphthalate	19.15	149	1113985	46.719	nq	99
74) Fluoranthene	20.25	202	1012369	46.660	nq	93
76) Benzidine	20.41	184	293874	27.557	nq	99
77) Pyrene	20.61	202	1010553	45.804	nq	97
79) Butylbenzylphthalate	21.47	149	518792	53.036	nq	93
80) Benzo(a)anthracene	22.60	228	963282	48.016	nq	100
81) 3,3'-Dichlorobenzidine	22.48	252	230912	31.078	nq	# 98
82) Chrysene	22.68	228	906034	47.278	nq	97
83) Bis(2-ethylhexyl)phthalate	22.43	149	744879	51.444	nq	# 96
84) Di-n-octyl phthalate	23.85	149	1259066	57.048	nq	100
85) Indeno(1,2,3-cd)pyrene	30.86	276	1072447	47.985	nq	97
87) Benzo(b)fluoranthene	25.20	252	977829	48.415	nq	# 97
88) Benzo(k)fluoranthene	25.29	252	946267	47.143	nq	# 96
89) Benzo(a)pyrene	26.25	252	948606	49.381	nq	# 96
90) Dibenzo(a,h)anthracene	30.94	278	886119	45.828	nq	# 93
91) Benzo(g,h,i)perylene	32.26	276	888943	46.637	nq	# 92

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

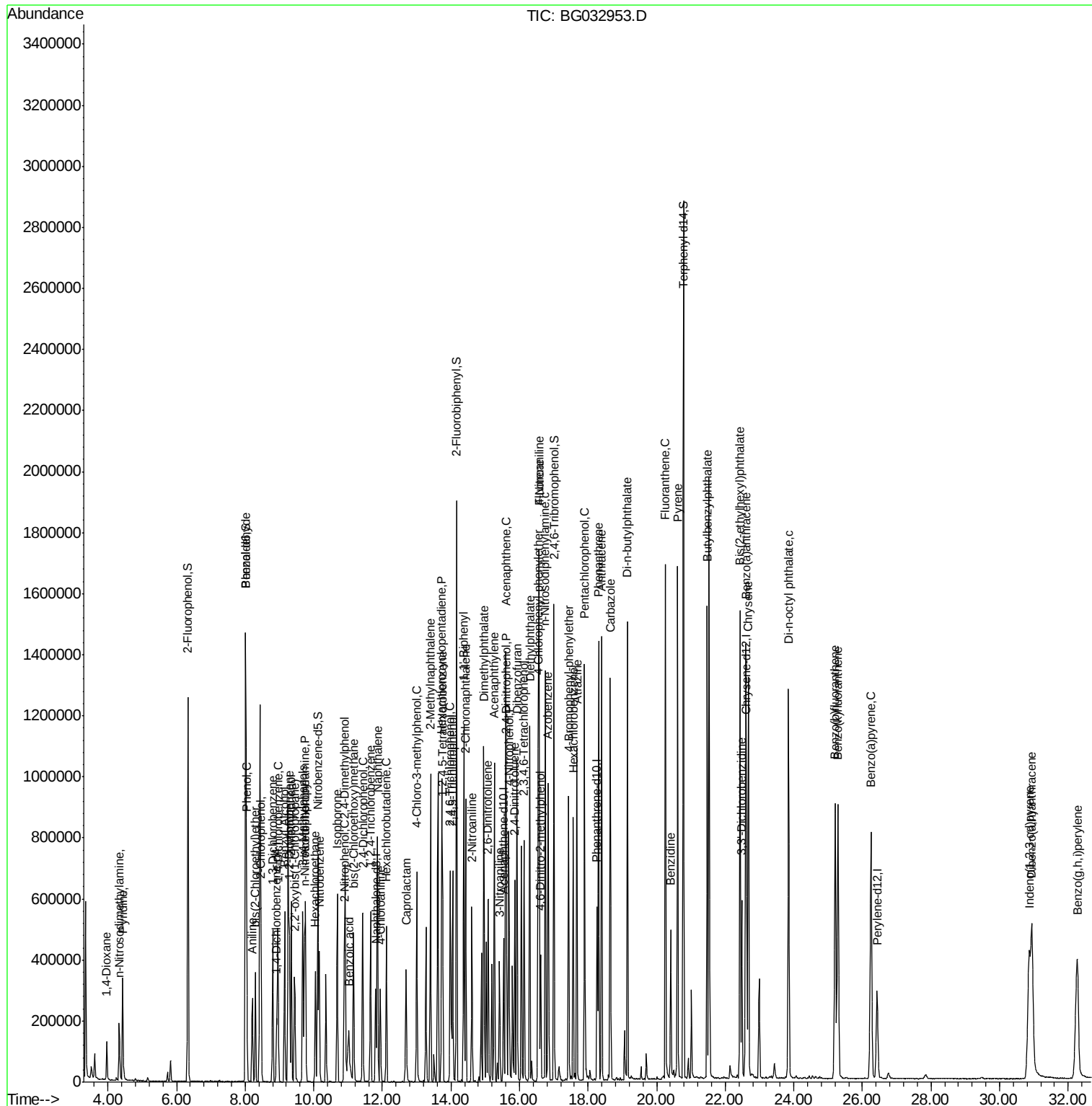
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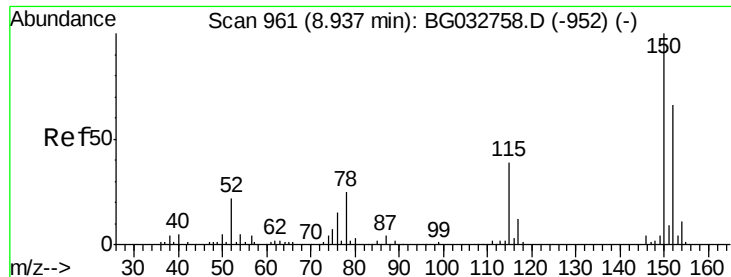
Instrument :
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#1

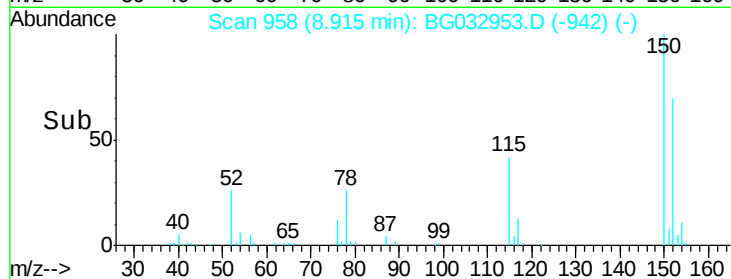
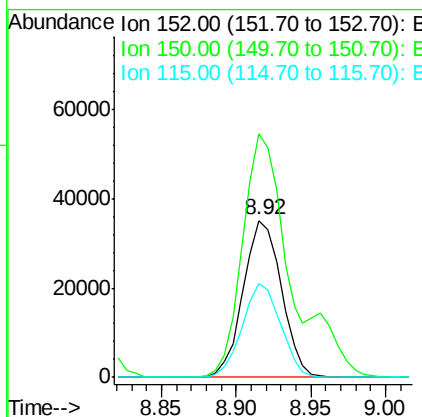
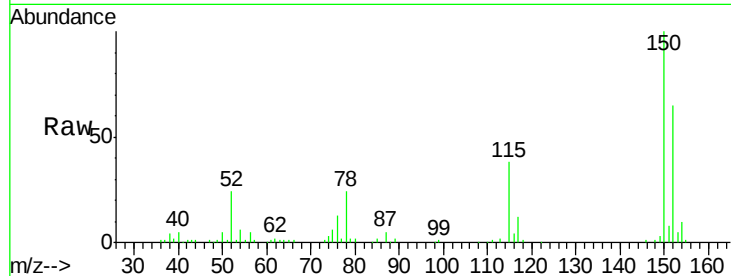
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.6	189.8
115	59.3	53.0	79.4

Manual Integrations
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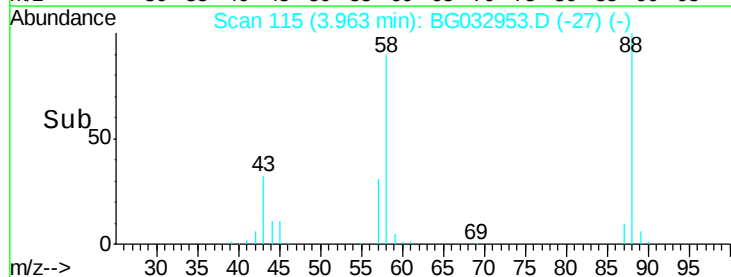
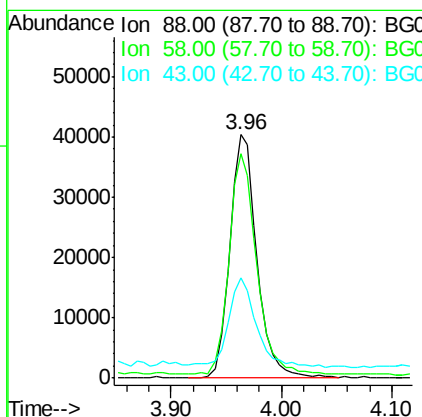
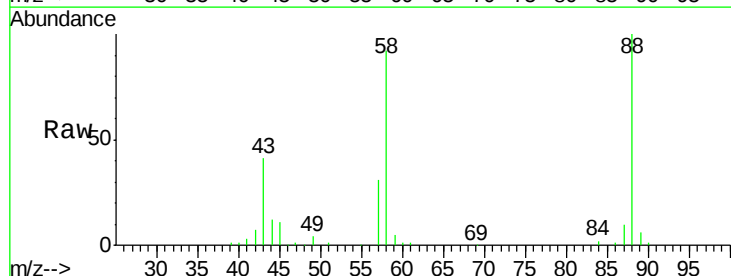
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#2

1,4-Dioxane
Concen: 41.038 ng
RT: 3.96 min Scan# 115
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.9	79.6	119.4
43	36.6	27.4	41.0





#3

Pvridine

Concen: 41.879 ng

RT: 4.43 min Scan# 194

Delta R.T. -0.01 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

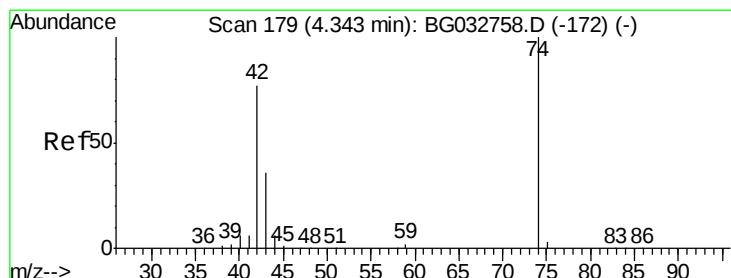
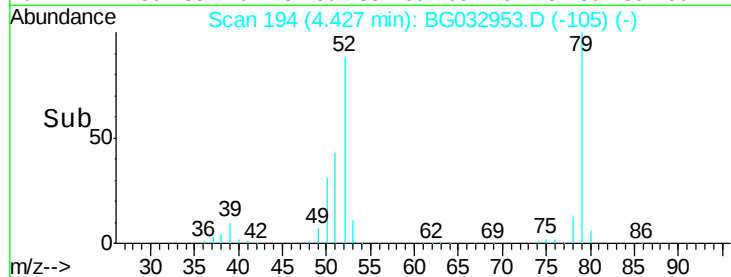
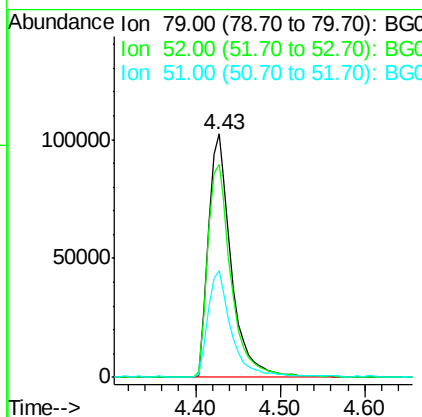
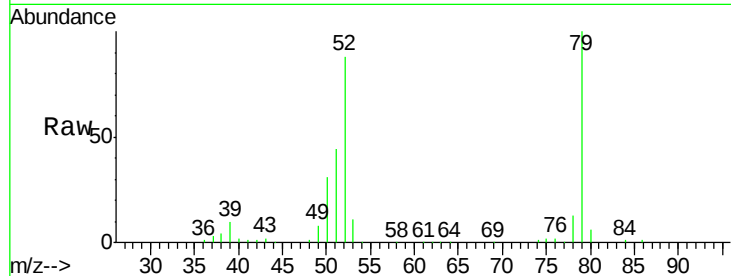
ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:	79	Resp:	194799
Ion	Ratio	Lower	Upper
79	100		
52	87.7	69.9	104.9
51	43.7	34.0	51.0

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 60.041 ng

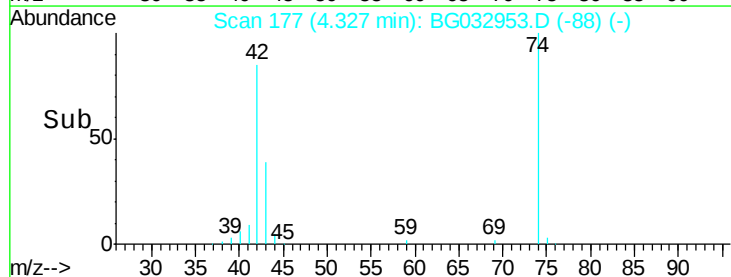
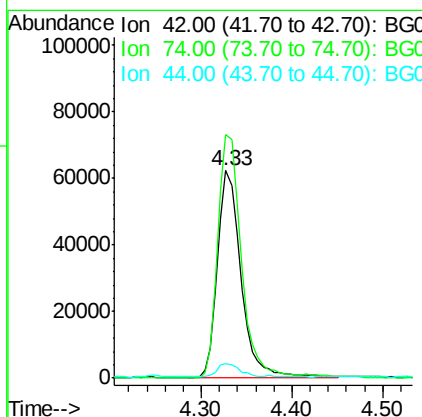
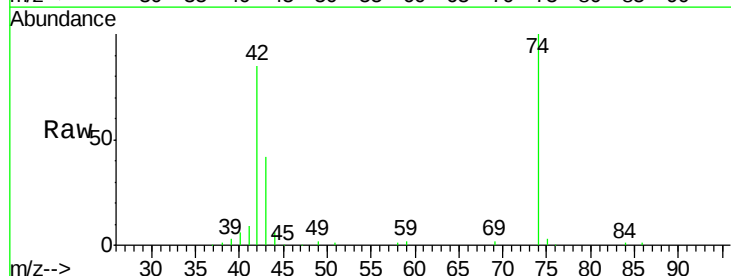
RT: 4.33 min Scan# 177

Delta R.T. -0.01 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion:	42	Resp:	111970
Ion	Ratio	Lower	Upper
42	100		
74	117.3	102.5	153.7
44	6.9	18.9	28.3#





#5

2-Fluorophenol

Concen: 154.132 ng

RT: 6.33 min Scan# 518

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

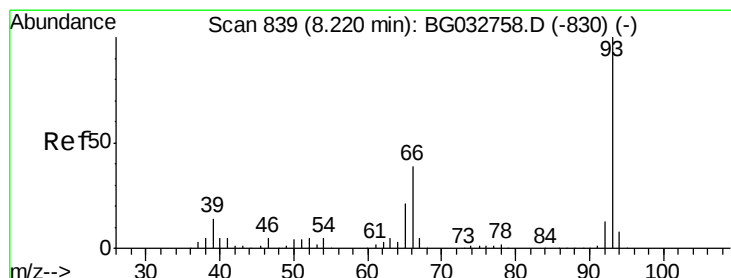
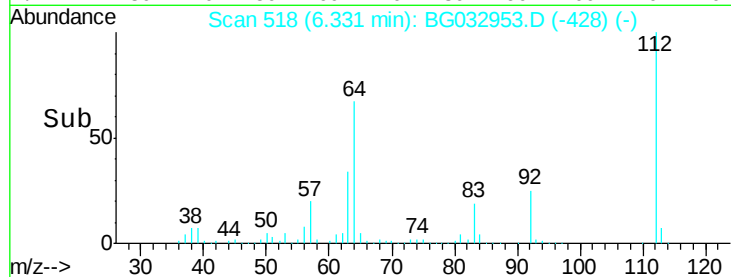
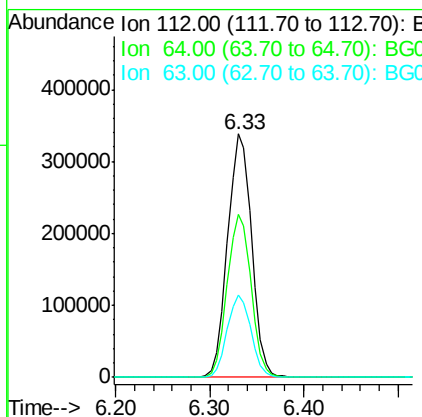
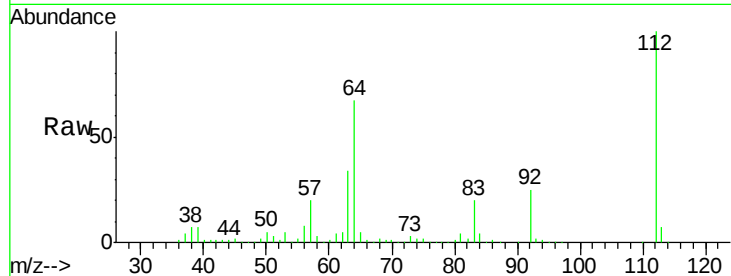
ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:	112	Resp:	599358
Ion Ratio	Lower	Upper	
112	100		
64	66.9	56.3	84.5
63	34.1	30.1	45.1

Manual Integrations
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#6

Aniline

Concen: 26.441 ng

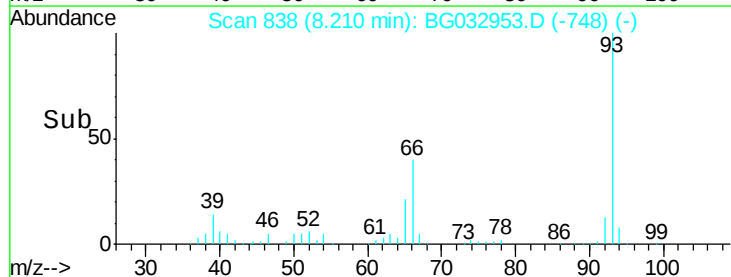
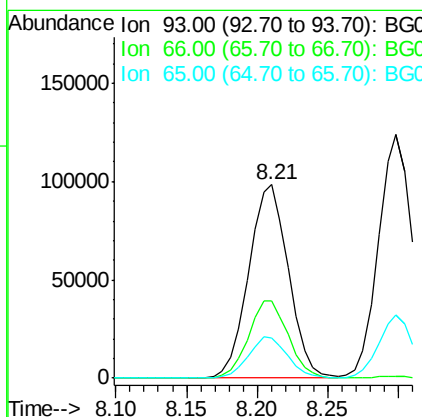
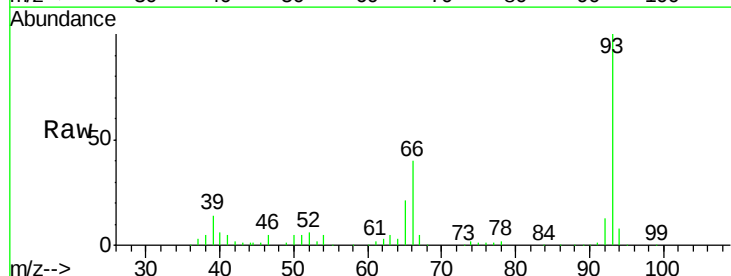
RT: 8.21 min Scan# 838

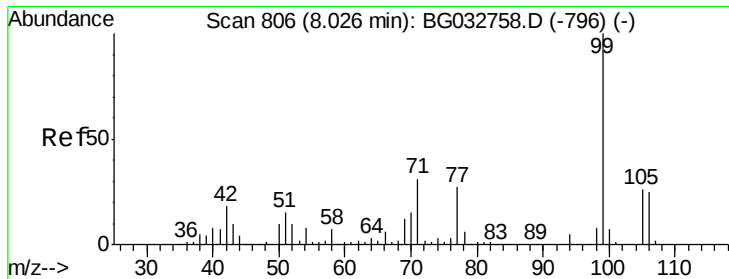
Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion:	93	Resp:	193991
Ion Ratio	Lower	Upper	
93	100		
66	40.1	33.7	50.5
65	21.0	16.1	24.1





#7

Phenol-d6

Concen: 150.296 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion: 99 Resp: 814631

Ion Ratio Lower Upper

99 100

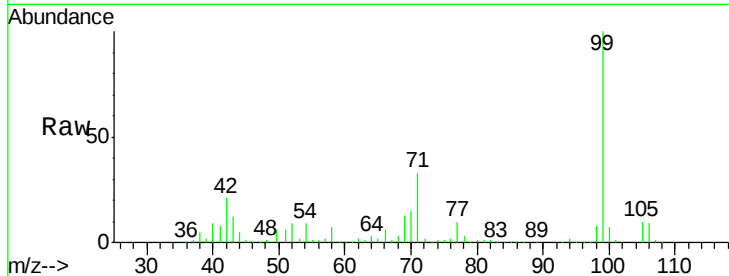
42 20.6 14.1 21.1

71 32.5 26.1 39.1

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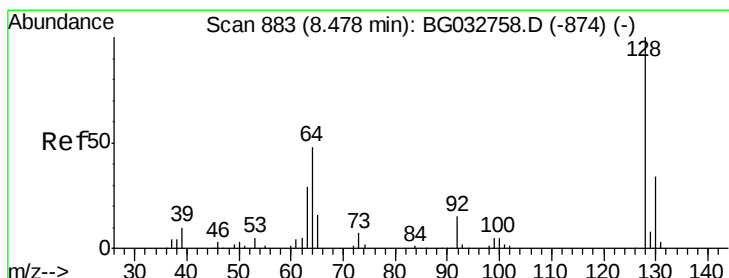
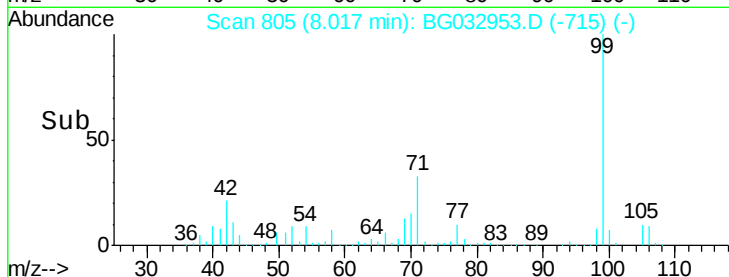
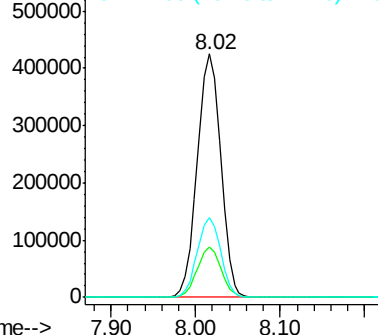
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Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 53.041 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

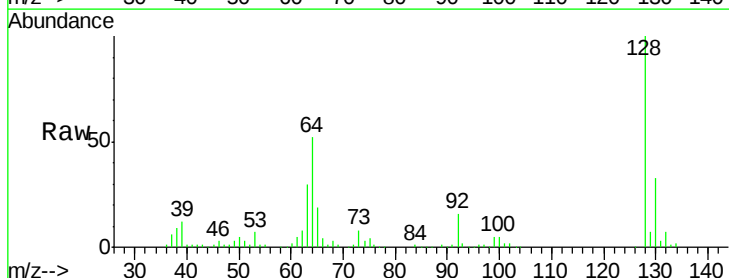
Tgt Ion: 128 Resp: 225756

Ion Ratio Lower Upper

128 100

130 32.6 14.0 54.0

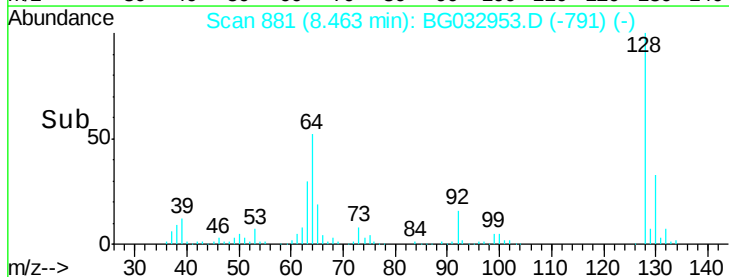
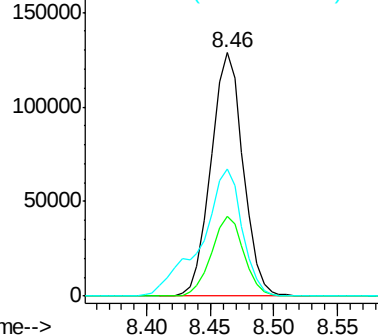
64 52.4 37.7 77.7

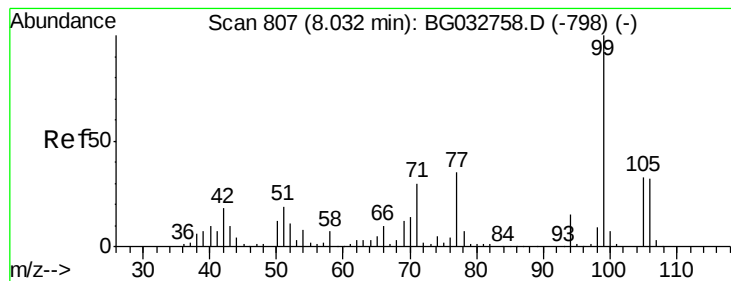


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 27.212 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

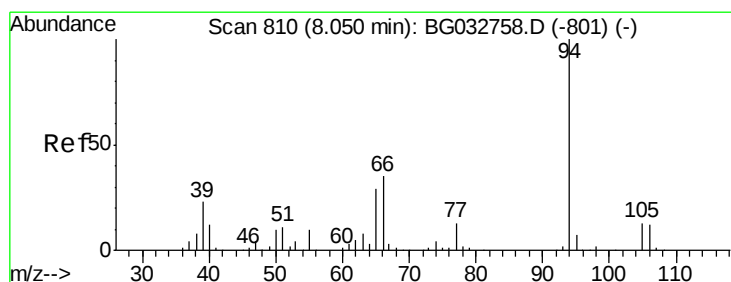
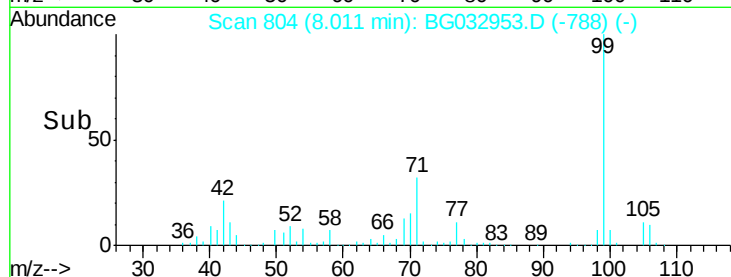
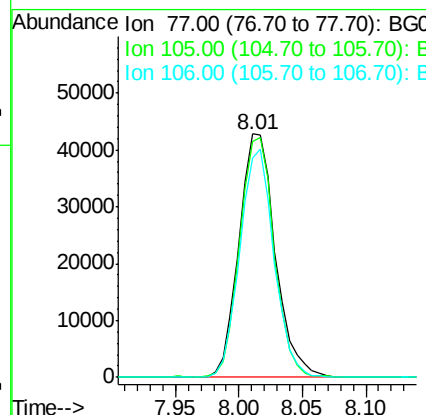
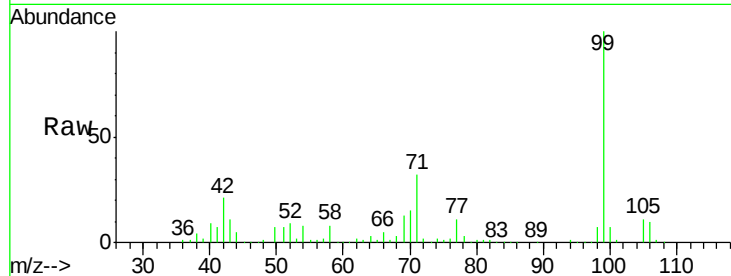
ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.1	71.3	111.3
106	89.8	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 59.672 ng

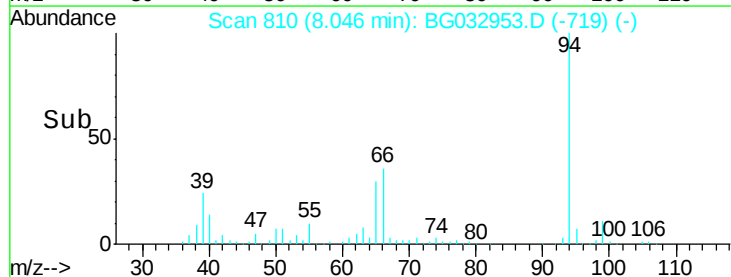
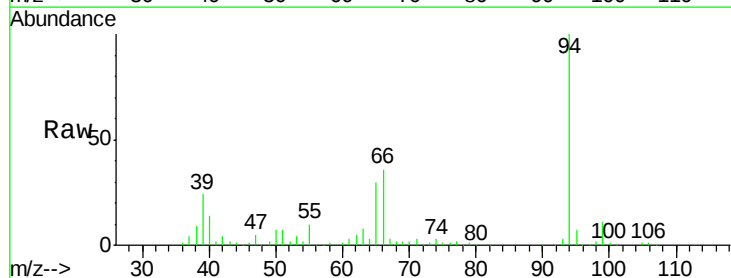
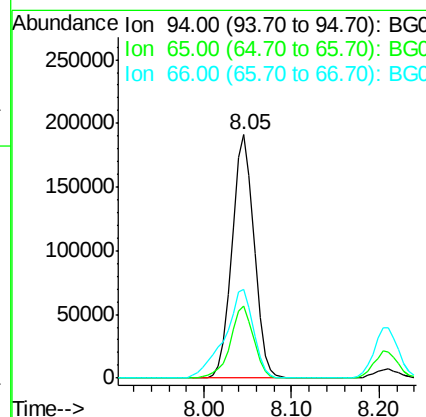
RT: 8.05 min Scan# 810

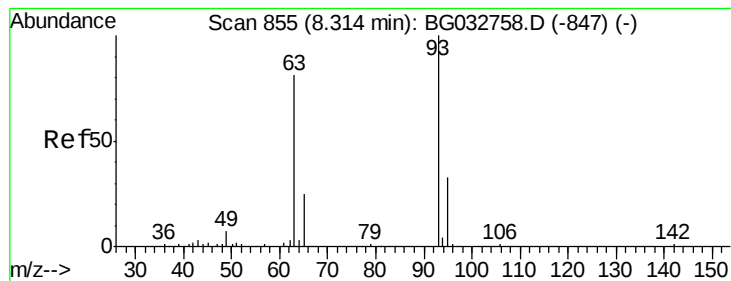
Delta R.T. 0.01 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.7	11.9	51.9
66	36.2	22.2	62.2





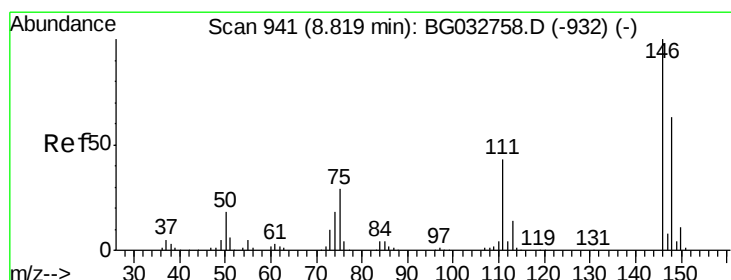
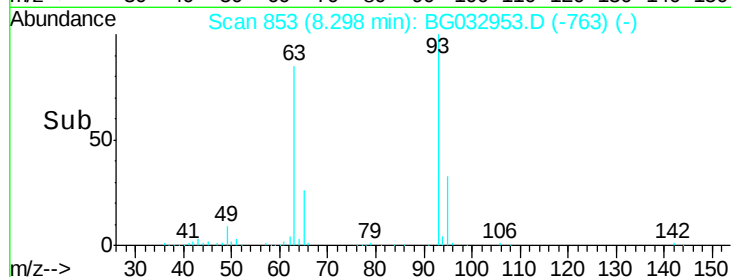
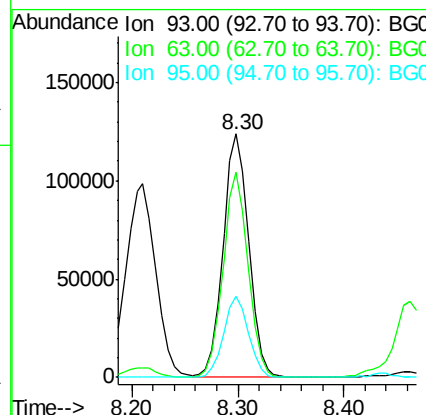
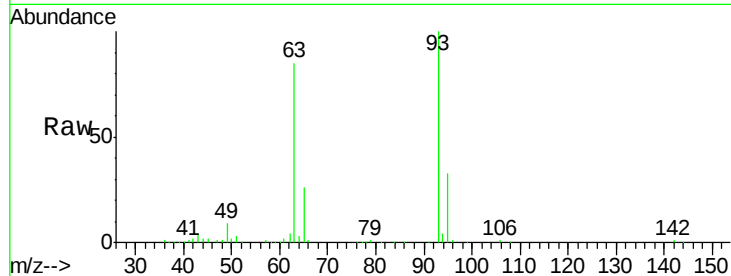
#11
bis(2-Chloroethyl)ether
Concen: 46.753 ng
RT: 8.30 min Scan# 853
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.5	67.1	107.1
95	33.3	11.5	51.5

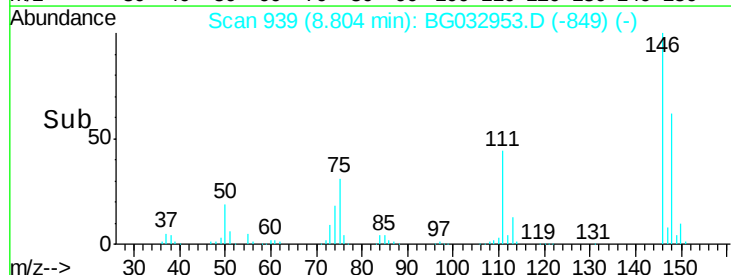
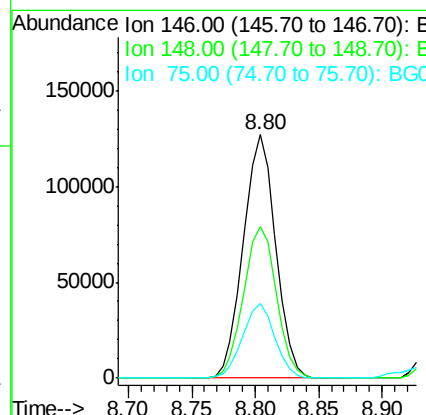
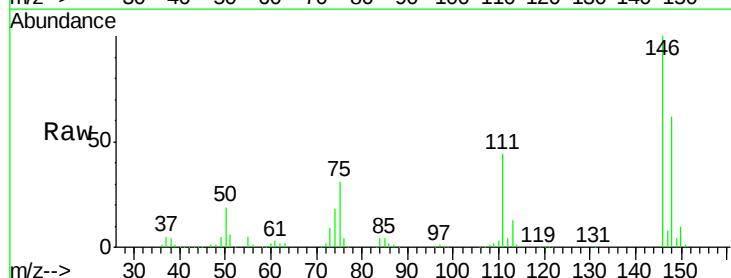
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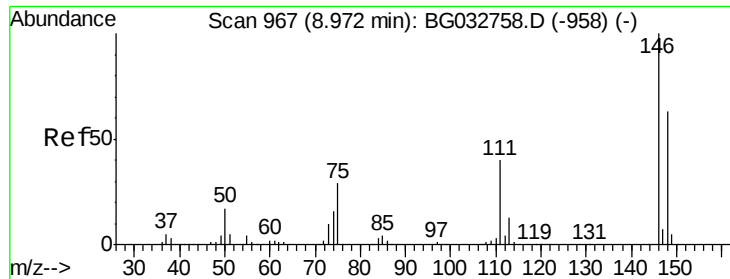
Sohil
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#12
1,3-Dichlorobenzene
Concen: 45.123 ng
RT: 8.80 min Scan# 939
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.4	77.2
75	30.6	26.6	39.8





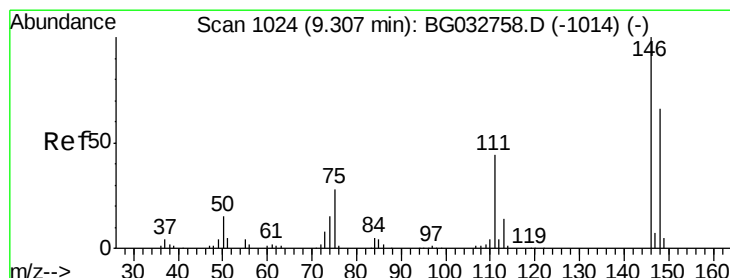
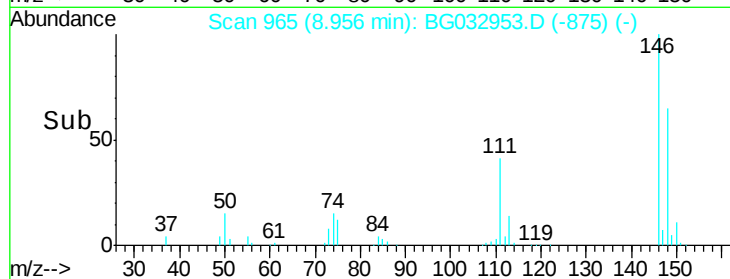
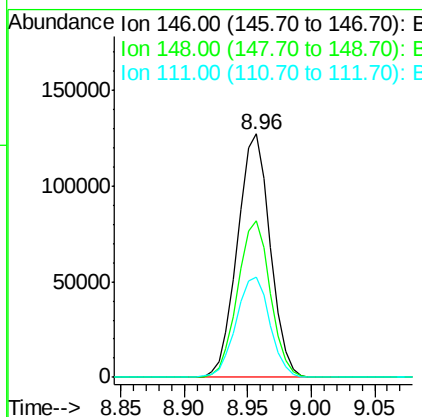
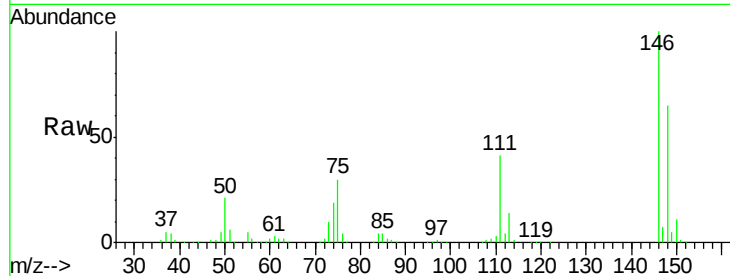
#13
 1,4-Dichlorobenzene
 Concen: 45.418 ng
 RT: 8.96 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	53.7	80.5
111	41.2	35.2	52.8

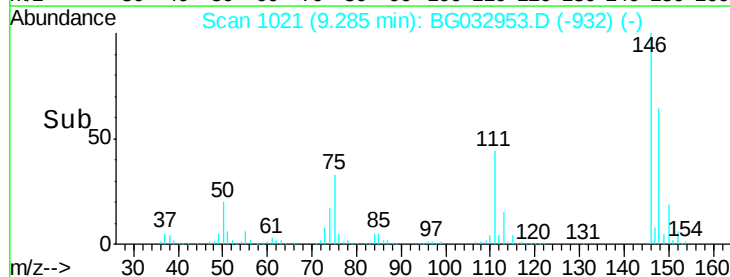
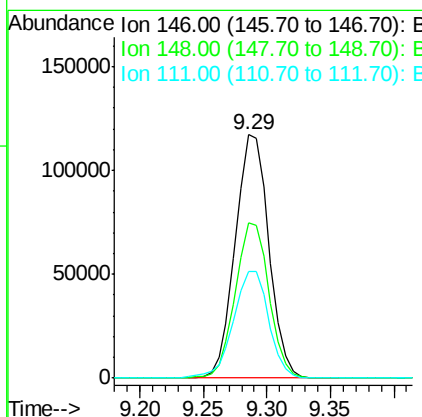
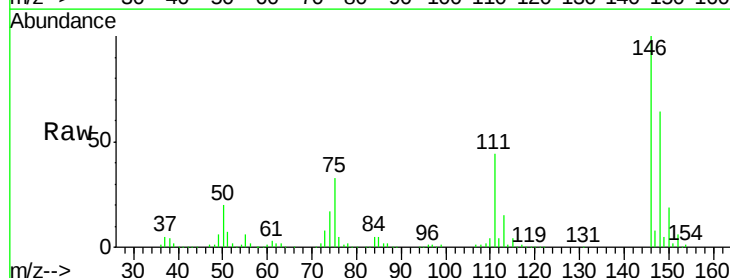
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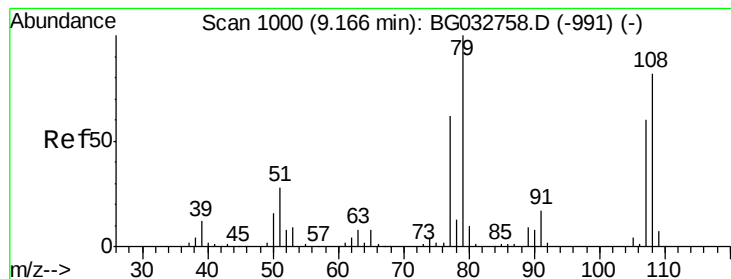
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#14
 1,2-Dichlorobenzene
 Concen: 44.815 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	49.3	73.9
111	44.0	34.3	51.5





#15

Benzyl Alcohol

Concen: 50.523 ng

RT: 9.15 min Scan# 998

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

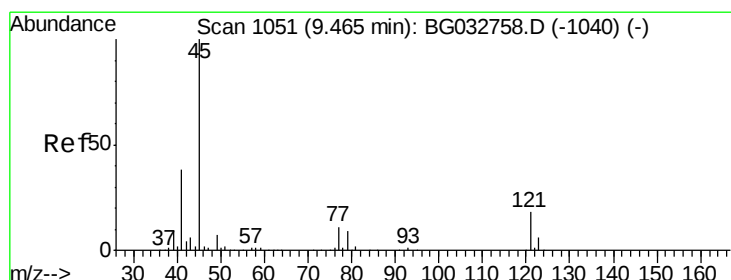
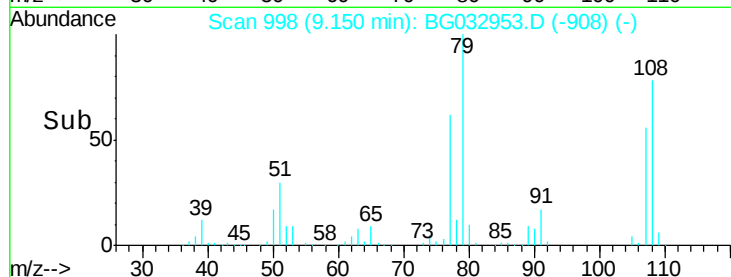
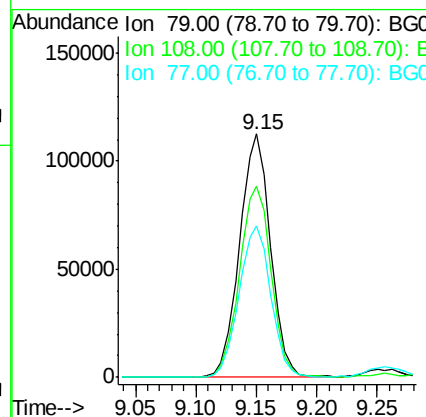
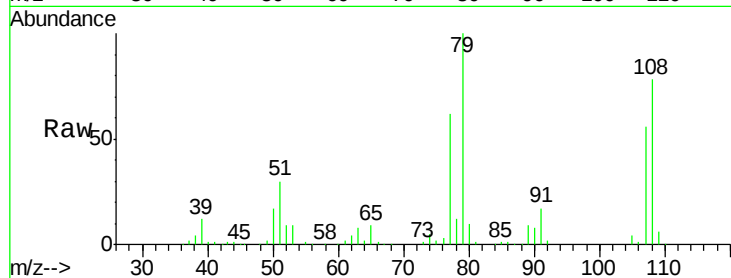
ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:	79	Resp:	201319
Ion	Ratio	Lower	Upper
79	100		
108	78.5	57.2	85.8
77	62.2	46.1	69.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 49.218 ng

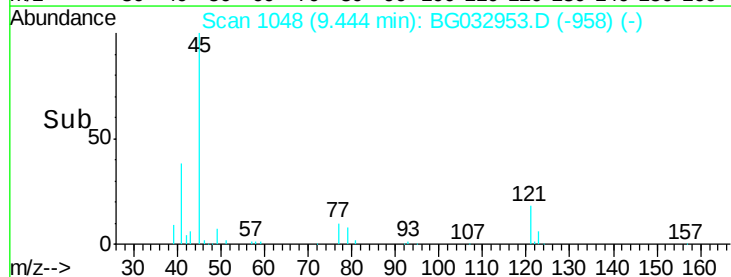
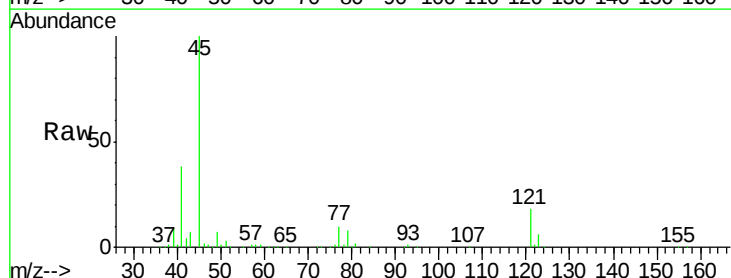
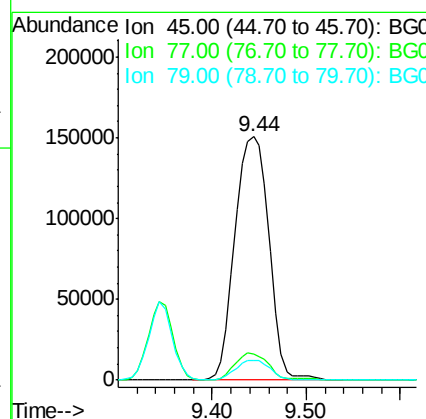
RT: 9.44 min Scan# 1048

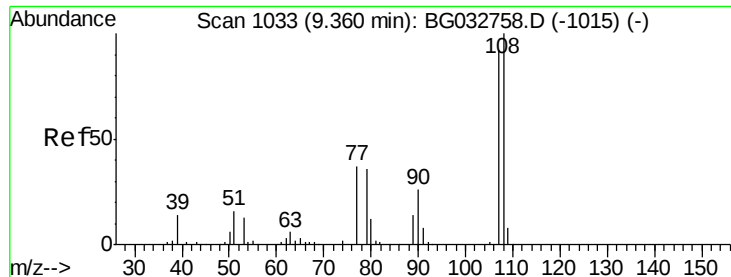
Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion:	45	Resp:	378020
Ion	Ratio	Lower	Upper
45	100		
77	10.5	0.0	30.2
79	8.2	0.0	27.9





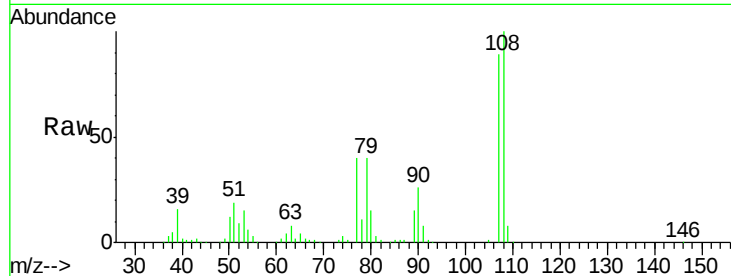
#17
2-Methylphenol
Concen: 49.448 ng
RT: 9.34 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

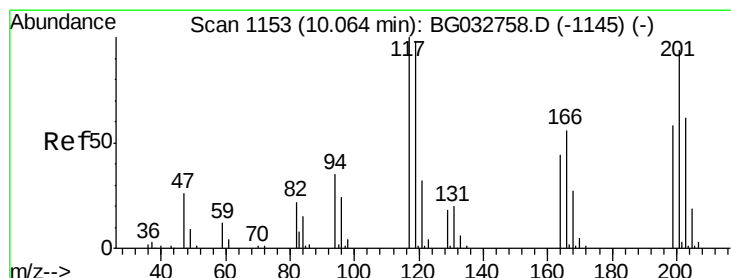
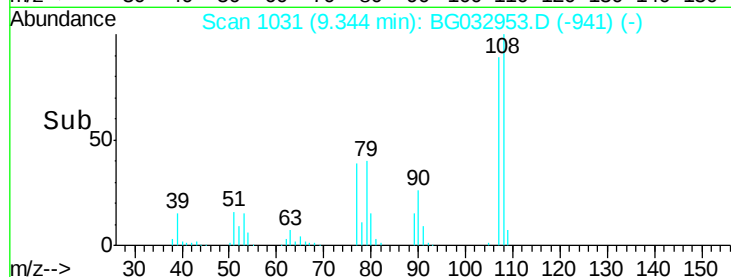
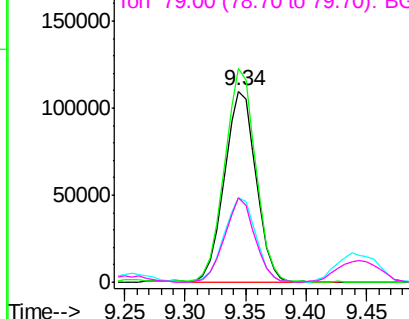
Tot Ion:	107	Resp:	199227
Ion Ratio	Lower	Upper	
107	100		
108	112.0	83.9	125.9
77	44.4	37.2	55.8
79	44.6	36.2	54.2

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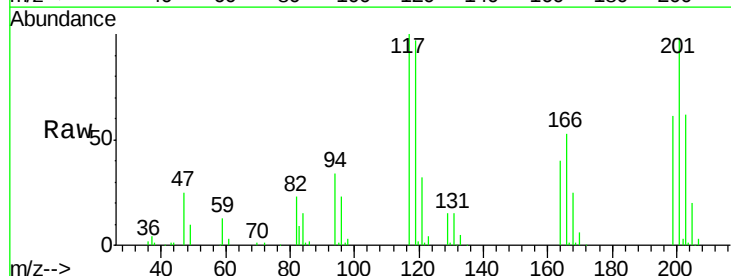


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

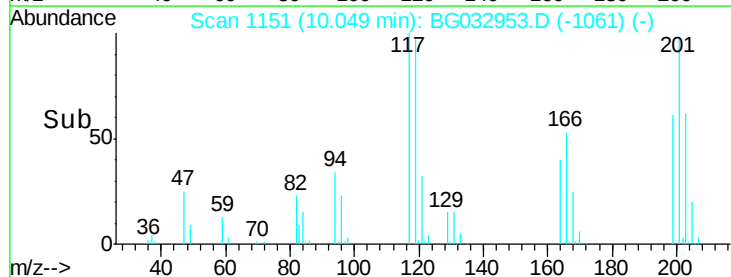
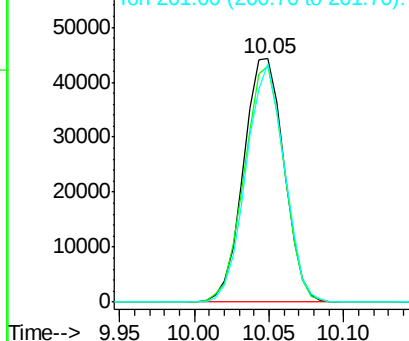


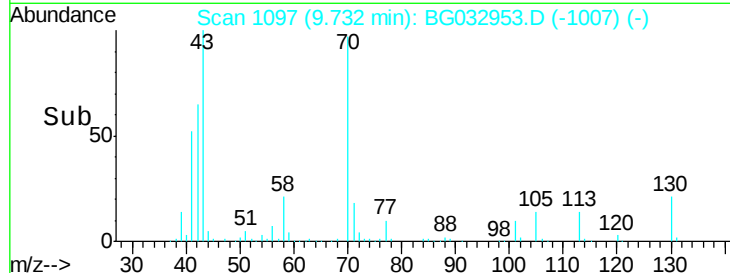
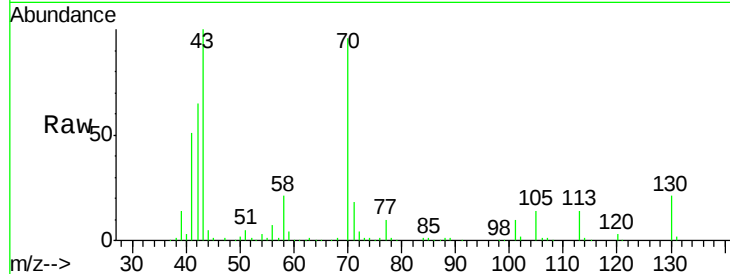
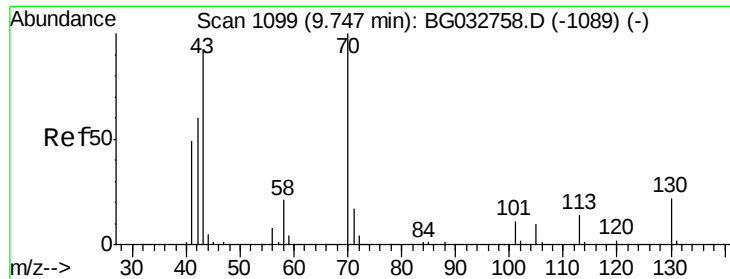
#18
Hexachloroethane
Concen: 48.613 ng
RT: 10.05 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion:	117	Resp:	83059
Ion Ratio	Lower	Upper	
117	100		
119	96.7	76.7	115.1
201	98.0	95.7	143.5



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





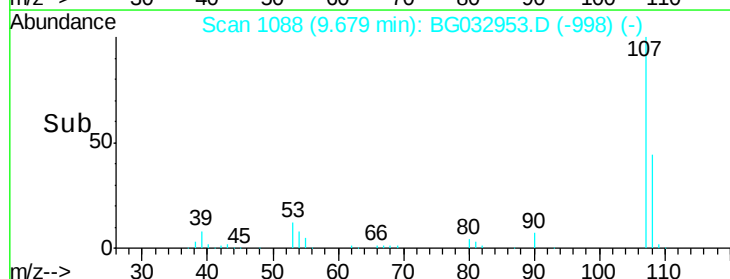
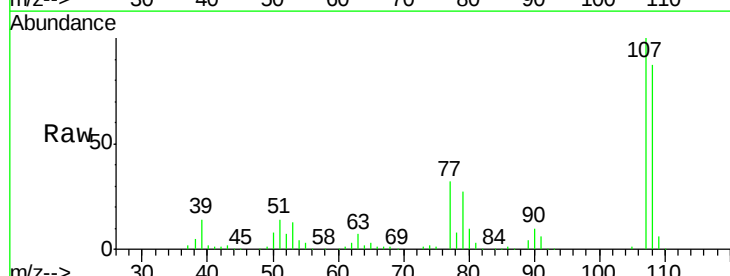
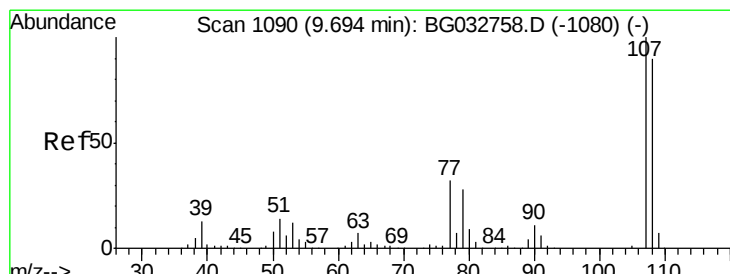
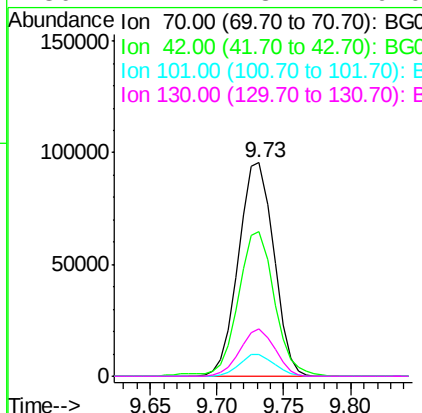
#19
n-Nitroso-di-n-propylamine
Concen: 45.971 ng
RT: 9.73 min Scan# 1097
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.5	49.1	73.7
101	10.0	8.5	12.7
130	22.1	13.4	20.0

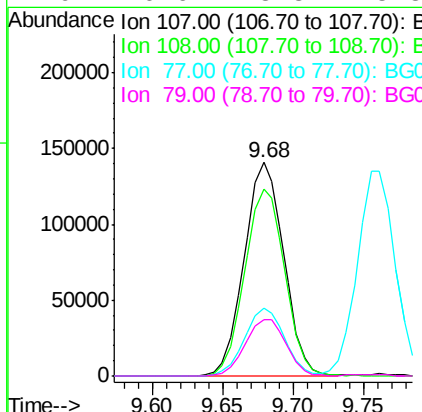
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#20
3+4-Methylphenols
Concen: 49.324 ng
RT: 9.68 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	61.6	101.6
77	31.9	13.9	53.9
79	26.6	8.8	48.8





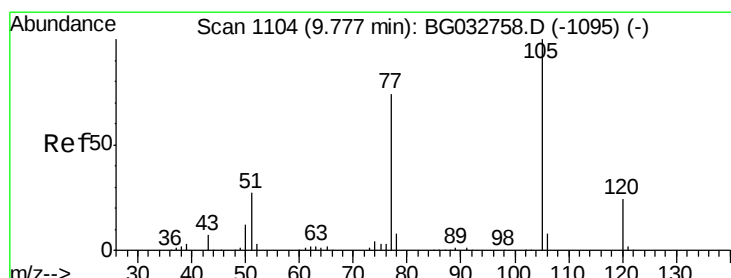
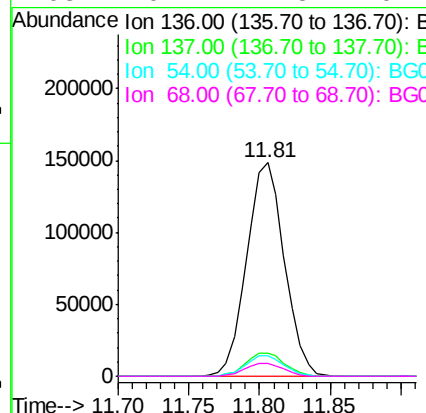
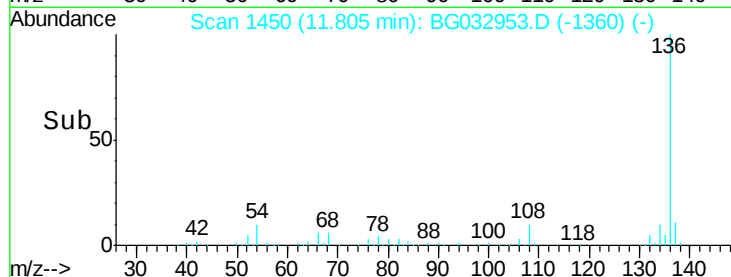
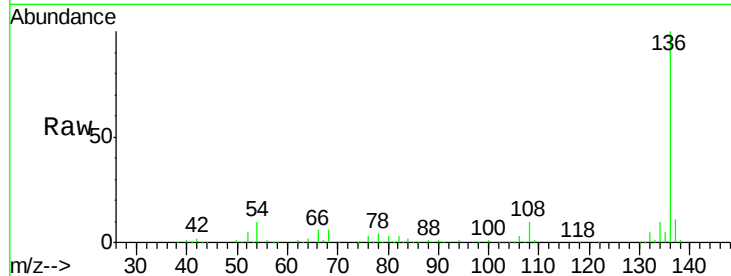
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.9	10.3	15.5
68	6.2	4.5	6.7

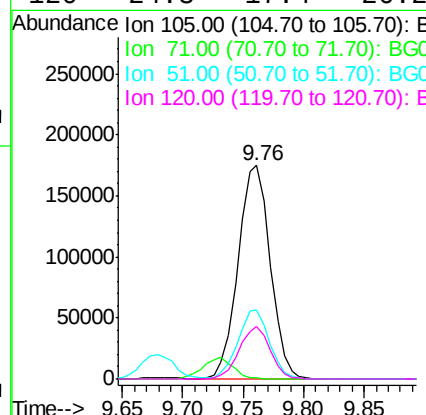
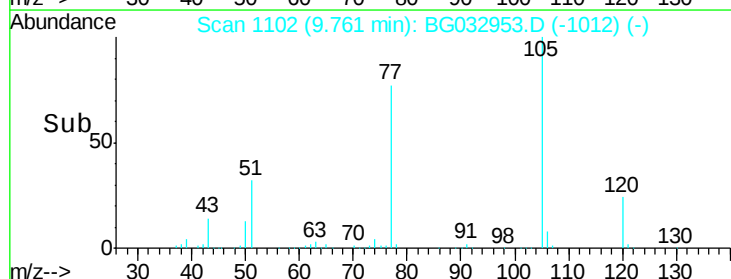
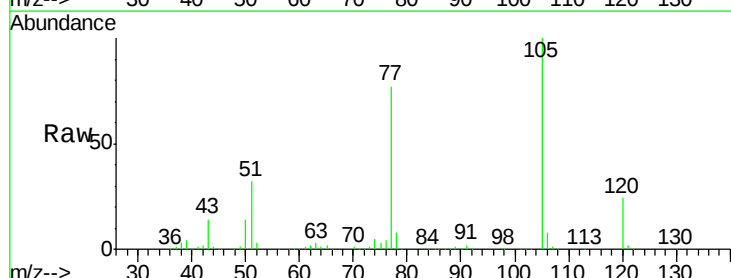
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#22
Acetophenone
Concen: 46.235 ng
RT: 9.76 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
105	100		
71	0.3	3.0	4.4
51	32.3	26.1	39.1
120	24.3	17.4	26.2





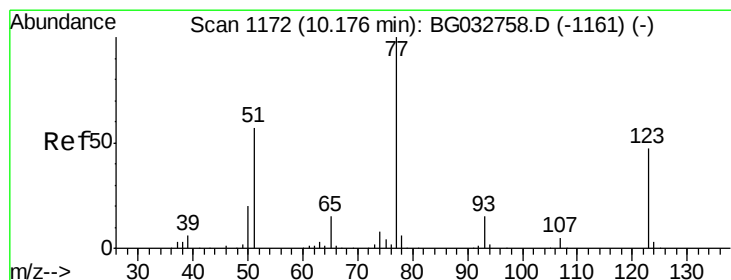
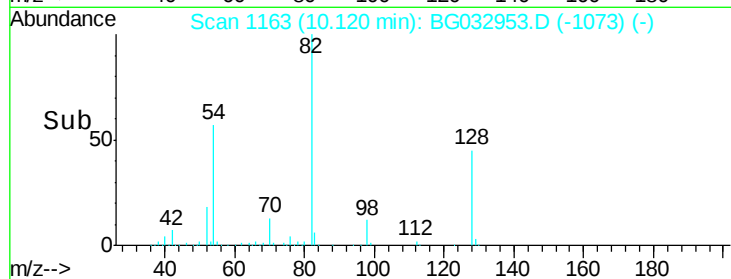
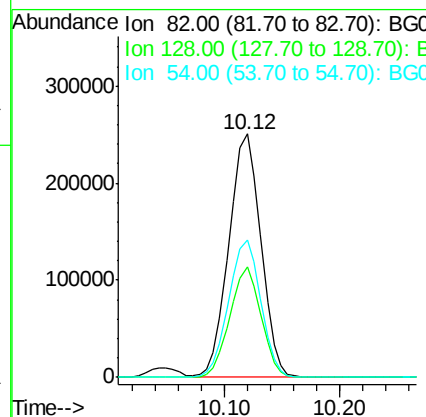
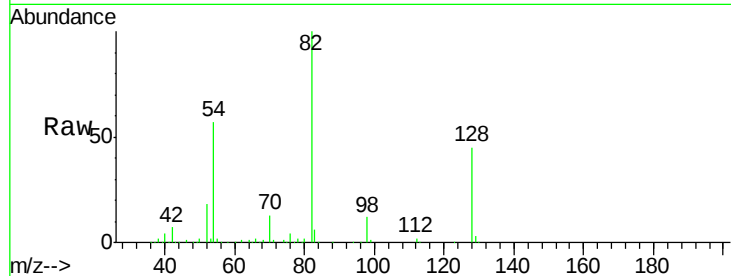
#23
 Nitrobenzene-d5
 Concen: 116.383 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	82	Resp	481637
Ion Ratio	100	Lower	Upper
128	45.3	29.7	44.5#
54	56.6	43.1	64.7

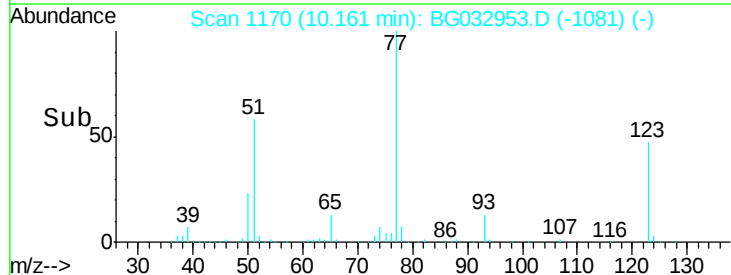
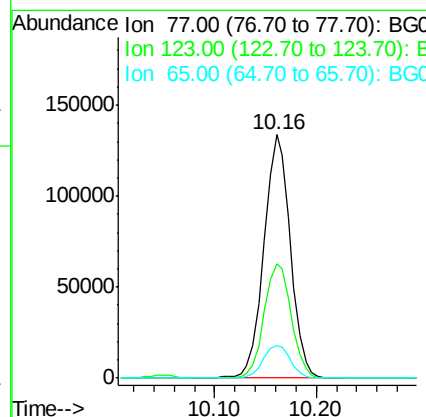
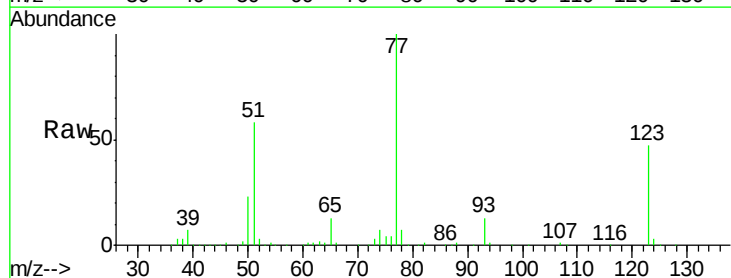
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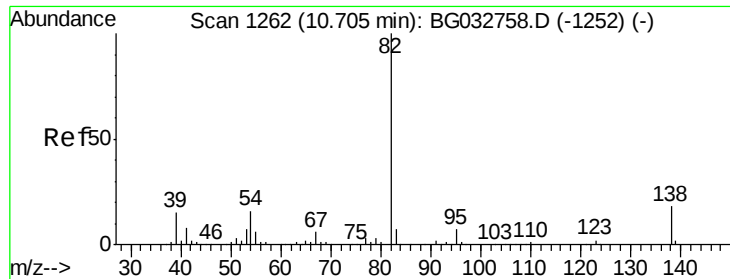
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#24
 Nitrobenzene
 Concen: 54.018 ng
 RT: 10.16 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	77	Resp	242970
Ion Ratio	100	Lower	Upper
123	46.7	33.0	49.6
65	13.4	13.0	19.6





#25

Isophorone

Concen: 49.811 ng

RT: 10.68 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion: 82 Resp: 484829

Ion Ratio Lower Upper

82 100

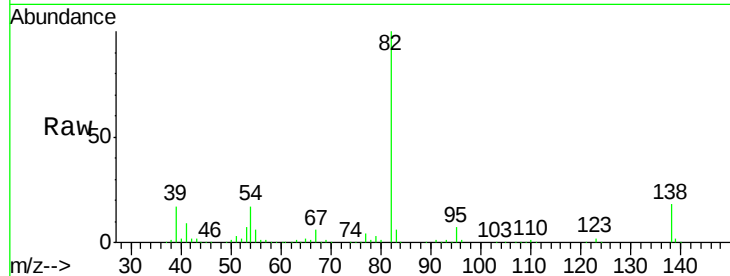
95 7.0 6.2 9.2

138 17.7 12.1 18.1

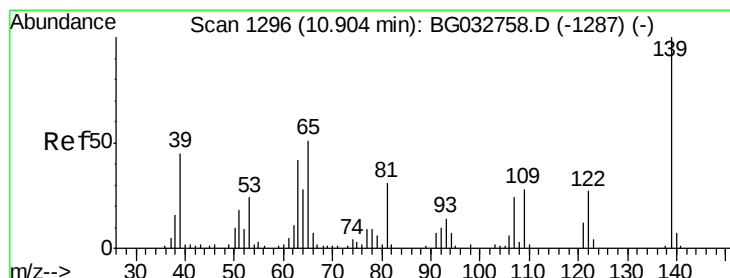
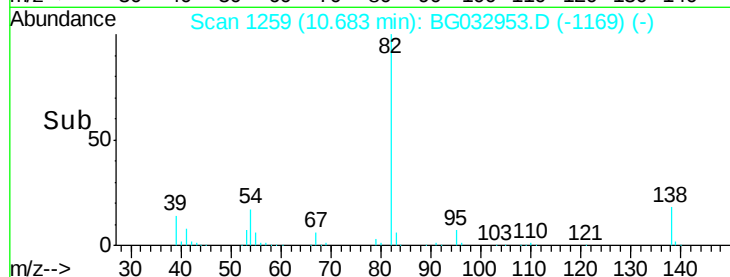
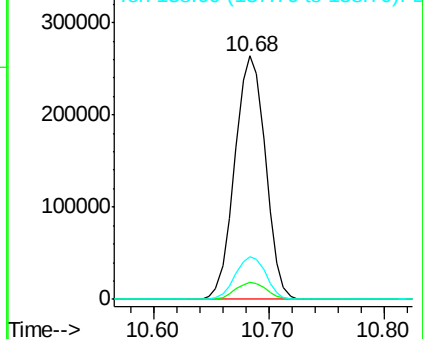
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 68.199 ng

RT: 10.89 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

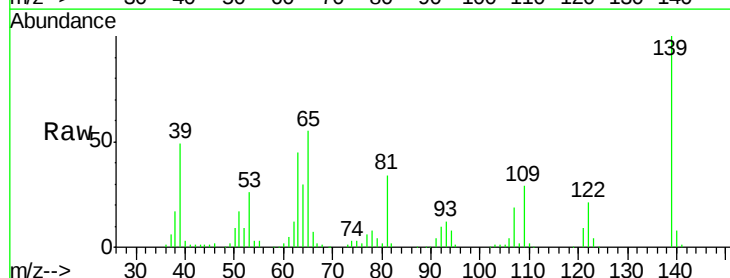
Tgt Ion: 139 Resp: 122430

Ion Ratio Lower Upper

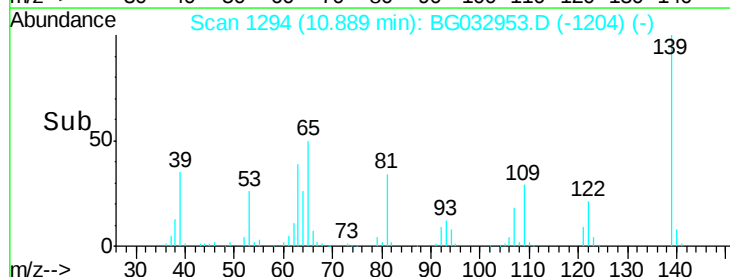
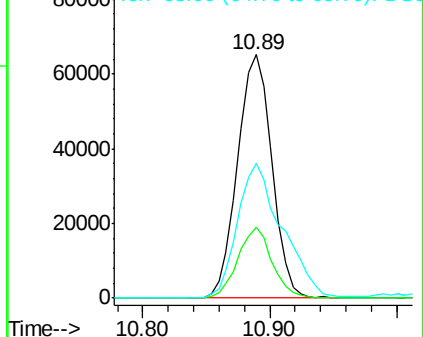
139 100

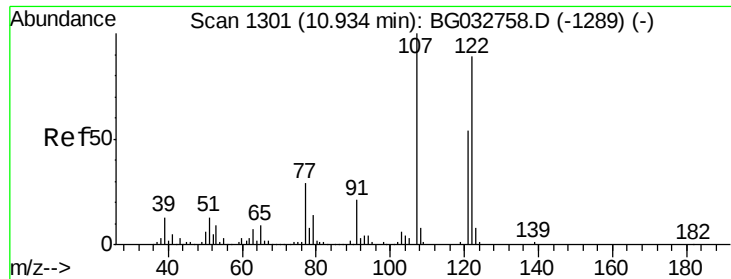
109 28.9 24.2 36.2

65 55.4 47.4 71.0



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





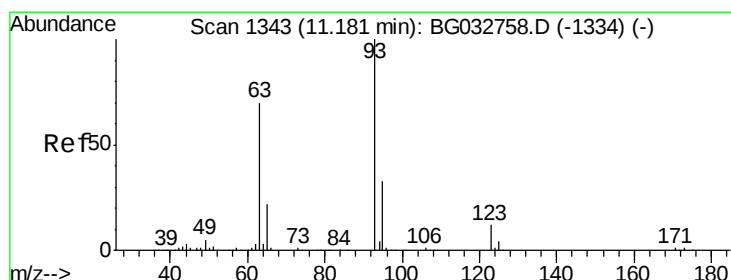
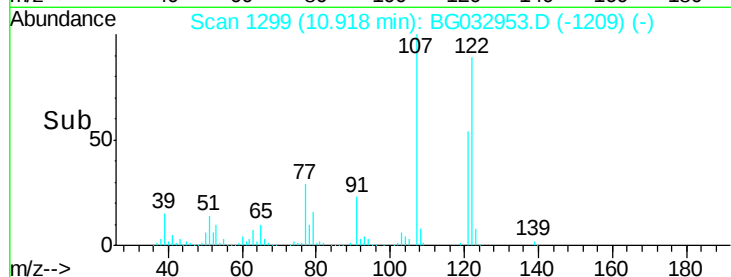
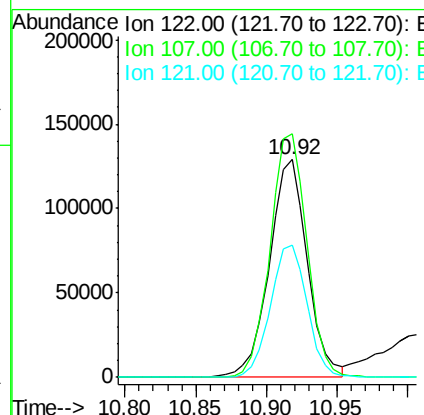
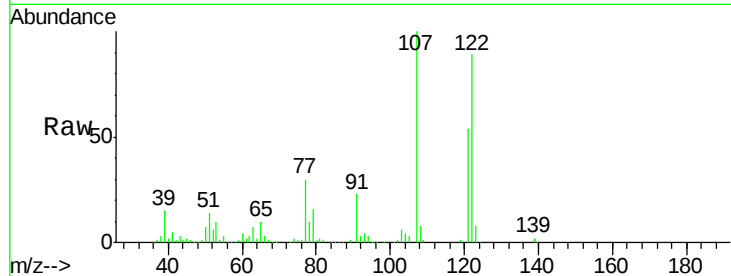
#27
 2,4-Dimethylphenol
 Concen: 57.465 ng
 RT: 10.92 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.9	100.2	150.2
121	60.7	44.4	66.6

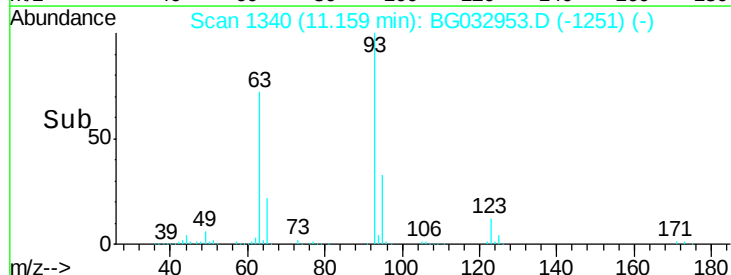
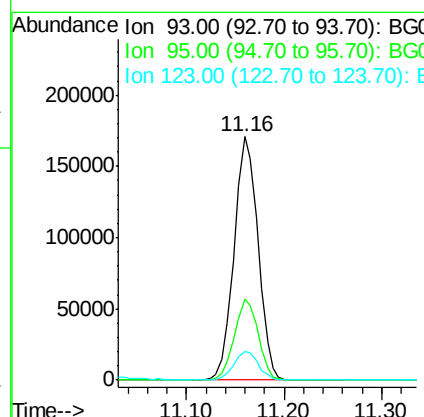
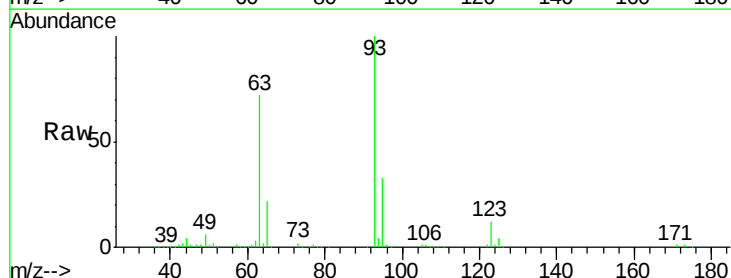
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#28
 bis(2-Chloroethoxy)methane
 Concen: 51.200 ng
 RT: 11.16 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	24.3	36.5
123	11.9	8.4	12.6





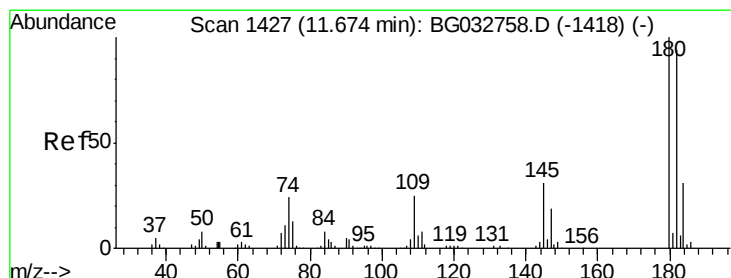
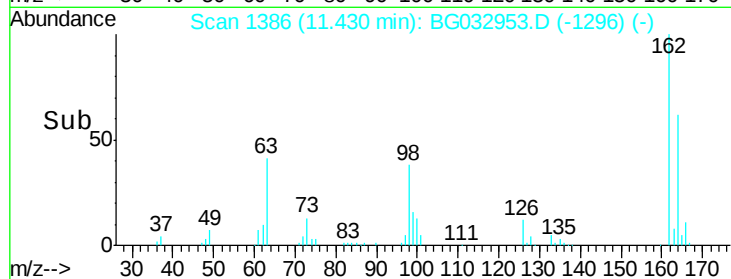
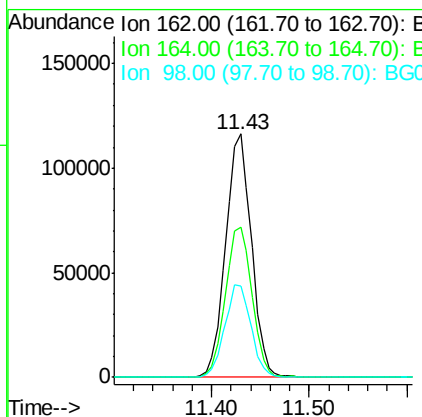
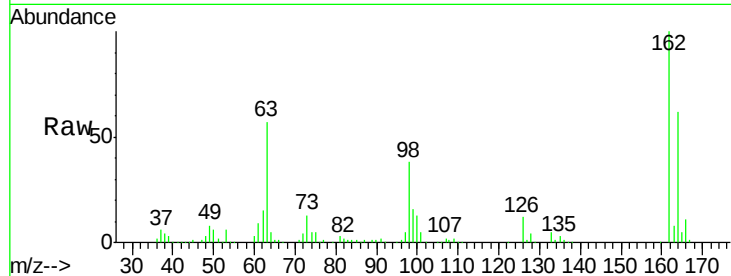
#29
2,4-Dichlorophenol
Concen: 55.596 ng
RT: 11.43 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	213356		
164	61.9	48.0	88.0	
98	37.6	21.1	61.1	

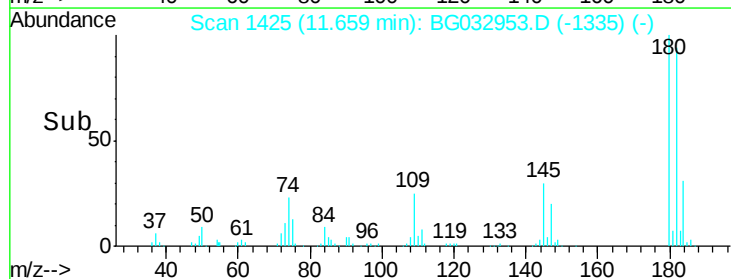
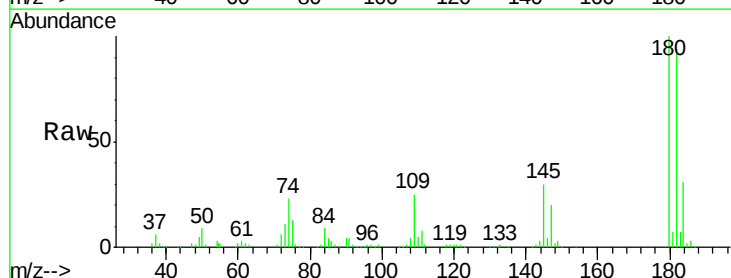
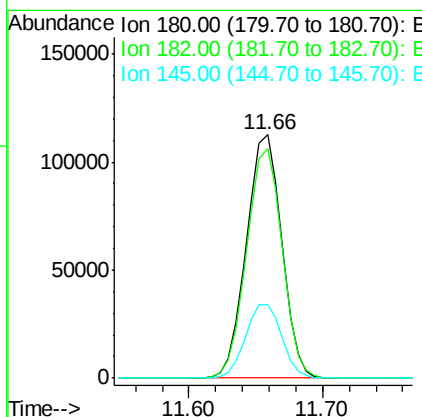
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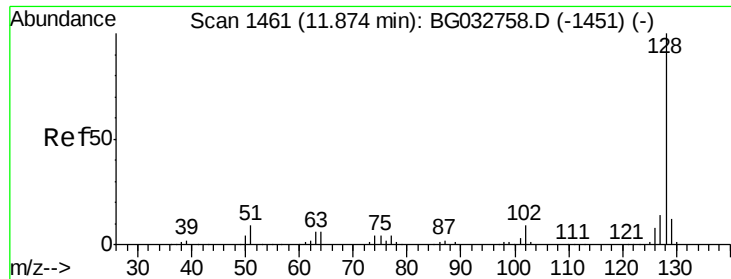
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#30
1,2,4-Trichlorobenzene
Concen: 45.715 ng
RT: 11.66 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	205649		
182	94.0	77.5	116.3	
145	30.4	23.4	35.2	





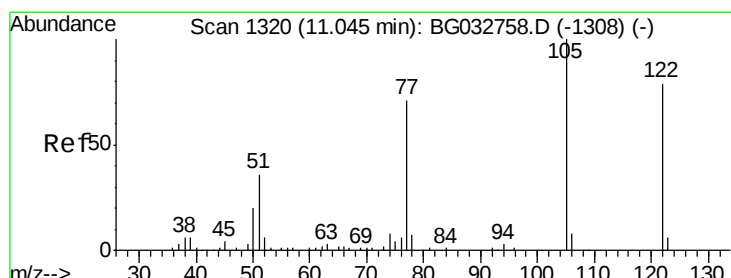
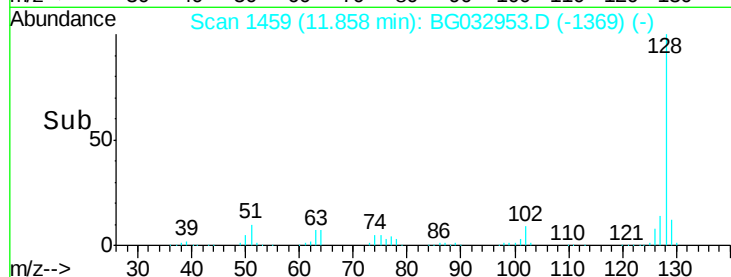
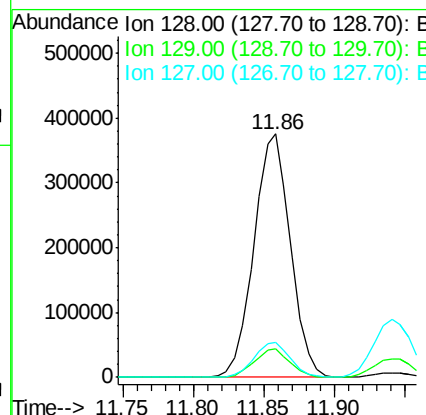
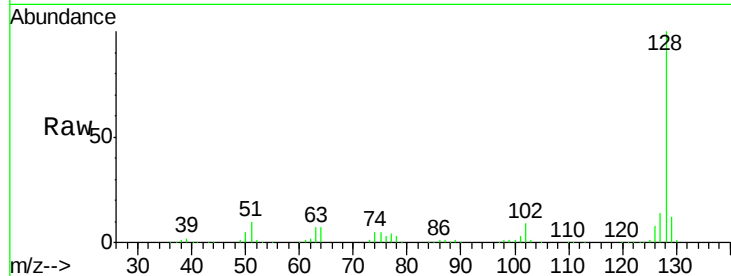
#31
Naphthalene
Concen: 46.904 ng
RT: 11.86 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	12.8
127	14.3	11.6	17.4

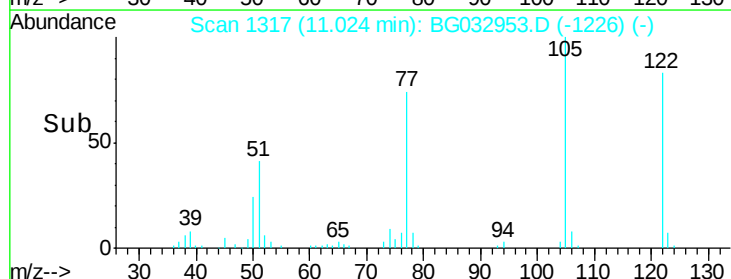
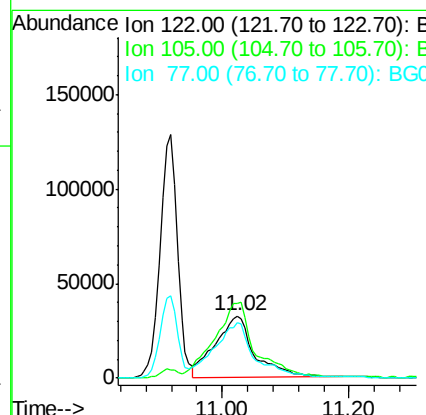
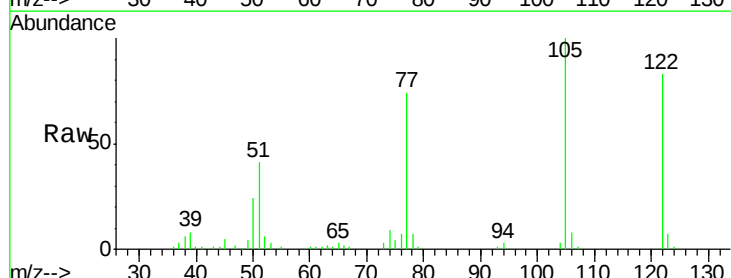
Manual Integrations
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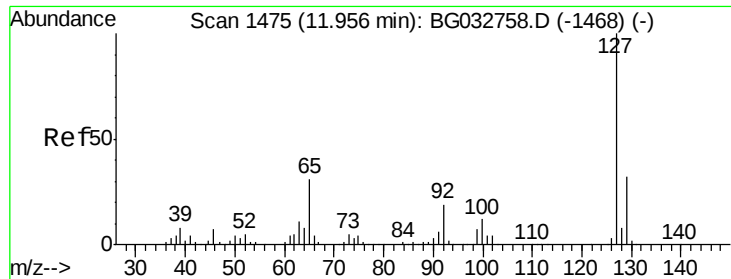
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#32
Benzoic acid
Concen: 51.617 ng
RT: 11.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.2	123.5	163.5#
77	89.2	85.7	125.7





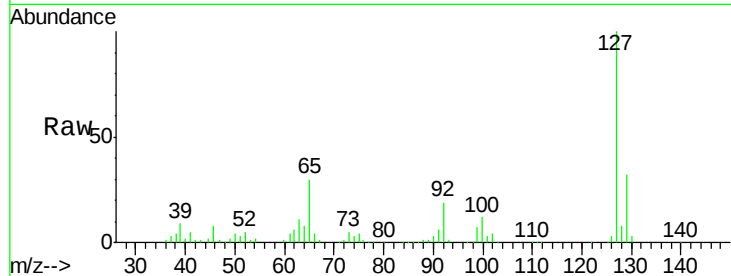
#33
4-Chloroaniline
Concen: 26.215 ng
RT: 11.94 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

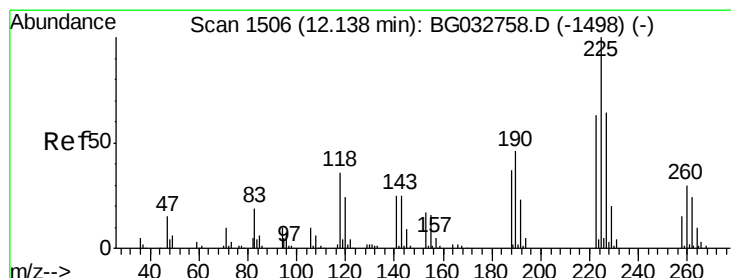
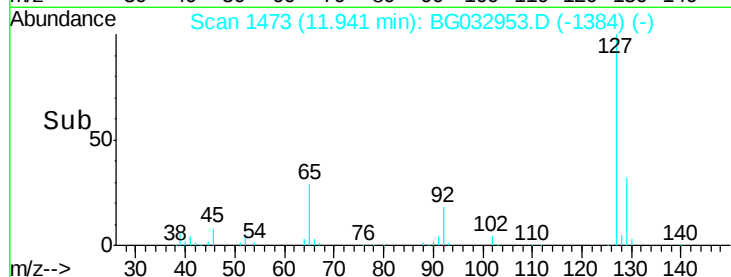
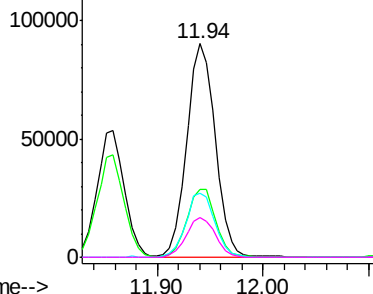
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.8	24.0	36.0		
65	29.8	27.0	40.4		
92	18.7	16.6	25.0		

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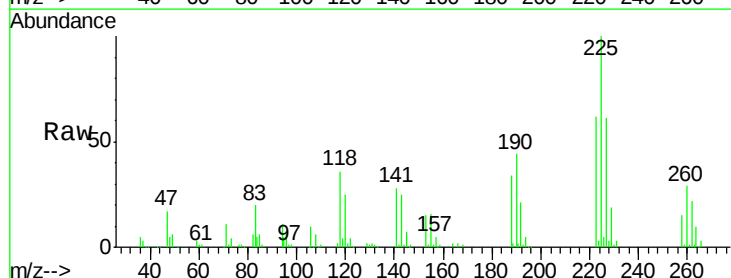


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

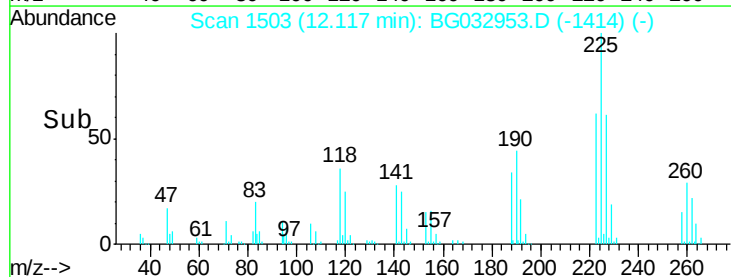
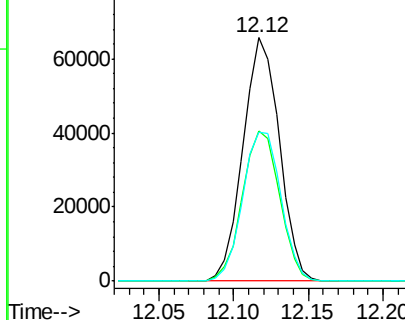


#34
Hexachlorobutadiene
Concen: 43.867 ng
RT: 12.12 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.6	49.7	74.5		
227	61.1	48.1	72.1		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 56.280 ng

RT: 12.69 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:113 Resp: 86481

Ion Ratio Lower Upper

113 100

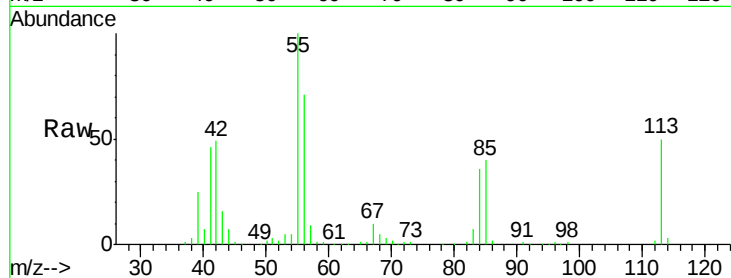
55 200.9 186.9 226.9

56 143.4 130.9 170.9

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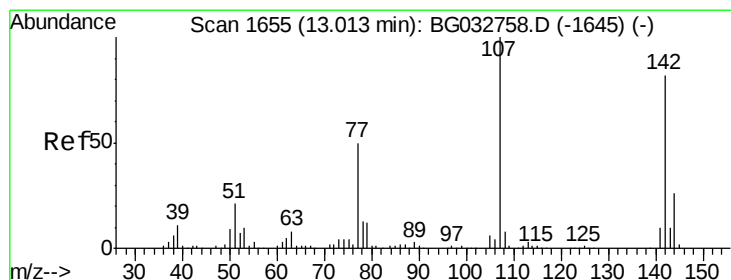
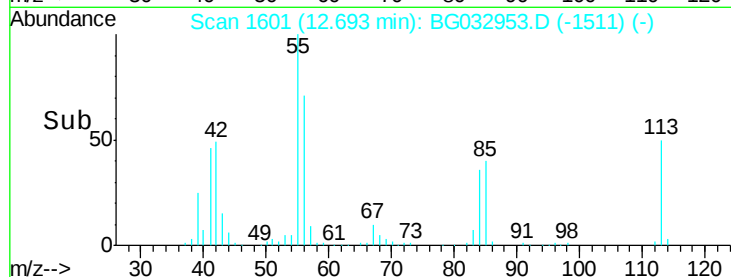
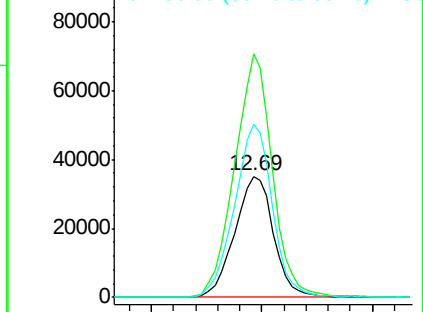
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 57.002 ng

RT: 13.00 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

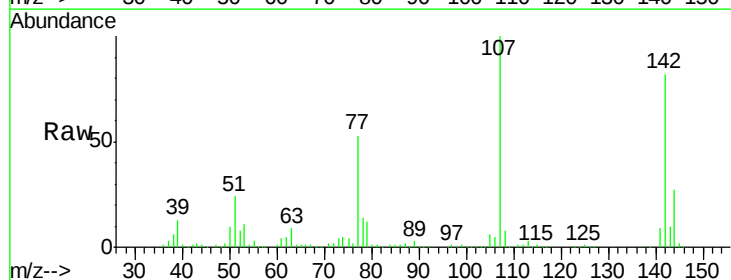
Tgt Ion:107 Resp: 254562

Ion Ratio Lower Upper

107 100

144 26.6 18.2 27.4

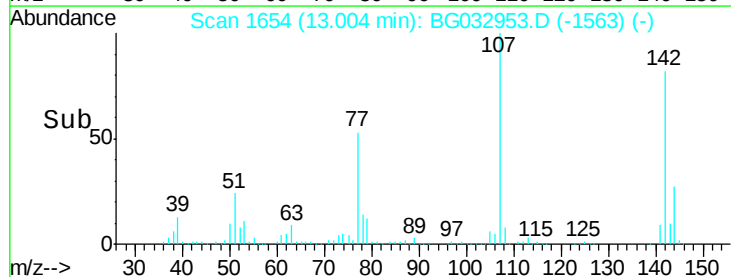
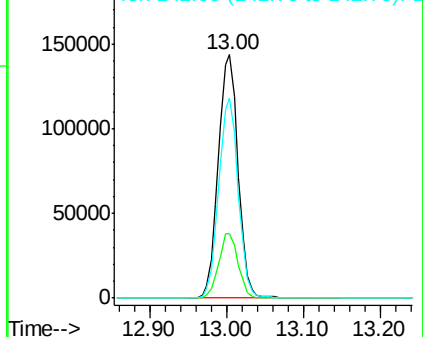
142 82.0 59.0 88.4

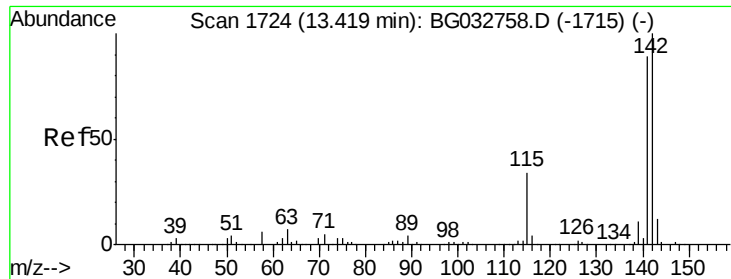


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





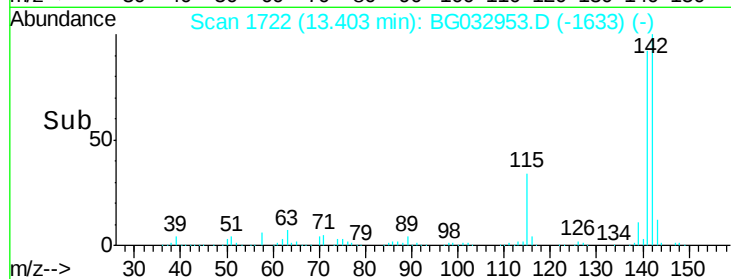
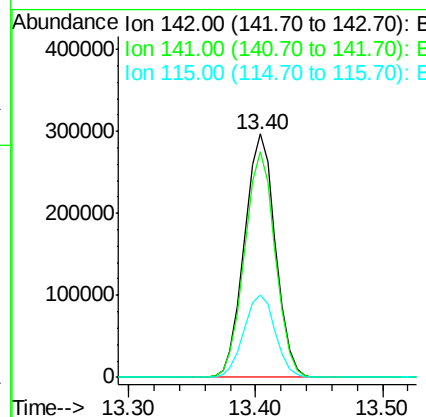
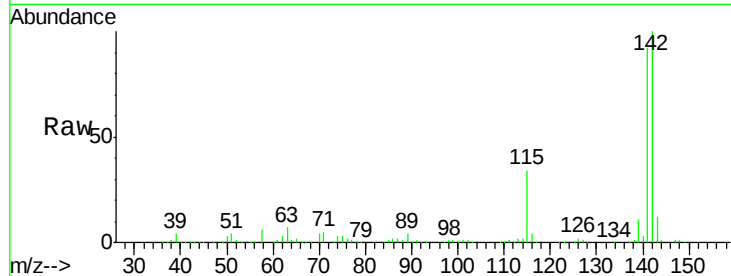
#37
2-Methylnaphthalene
Concen: 47.896 ng
RT: 13.40 min Scan# 1722
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	67.1	100.7
115	34.0	30.7	46.1

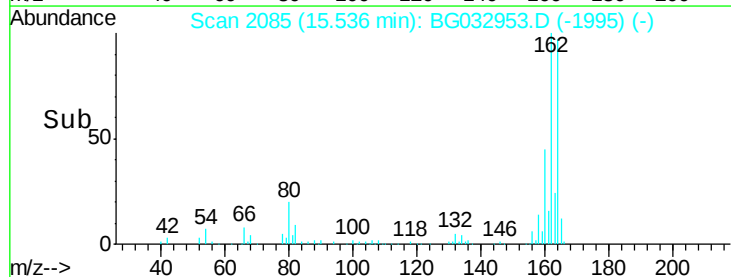
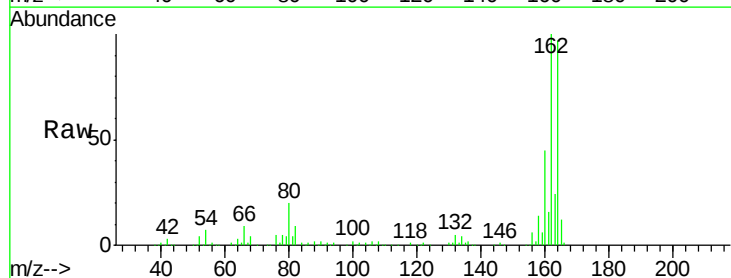
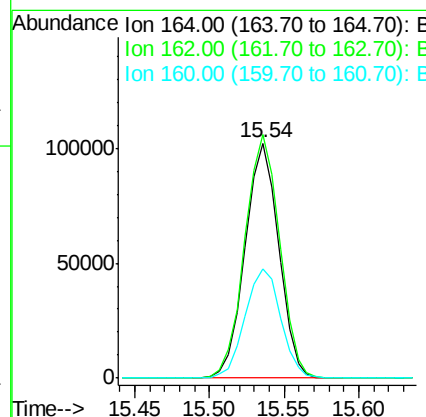
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	78.8	118.2
160	46.2	35.4	53.0





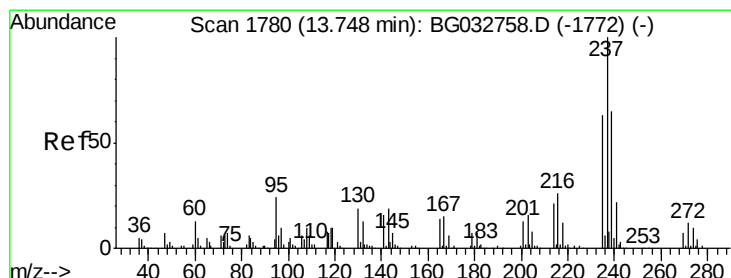
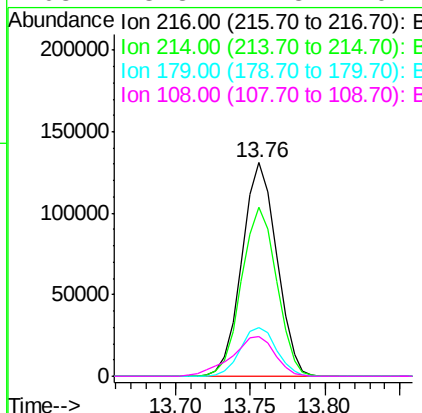
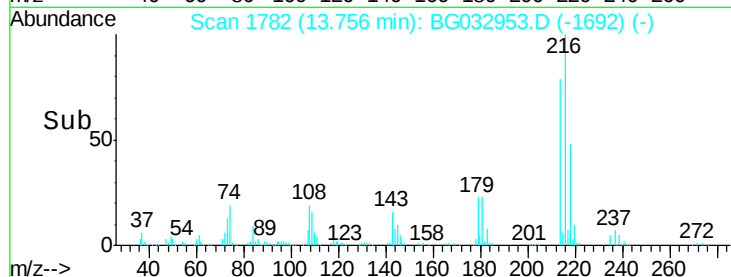
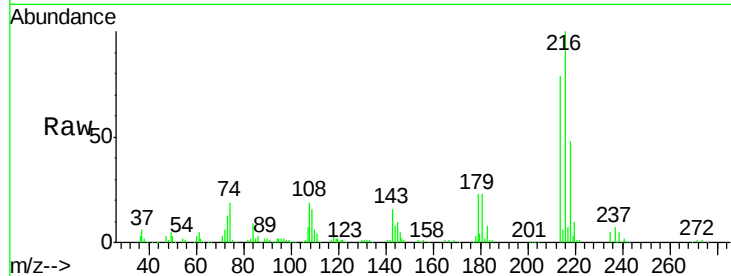
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.657 ng
 RT: 13.76 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	211805		
214	79.6	63.0	94.4	
179	23.5	17.0	25.6	
108	23.3	12.8	19.2	

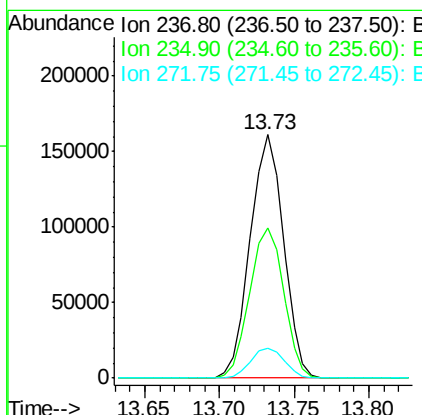
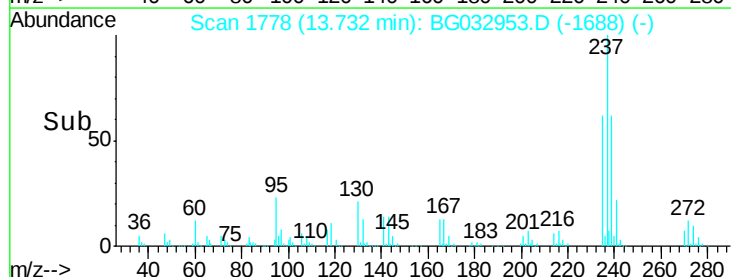
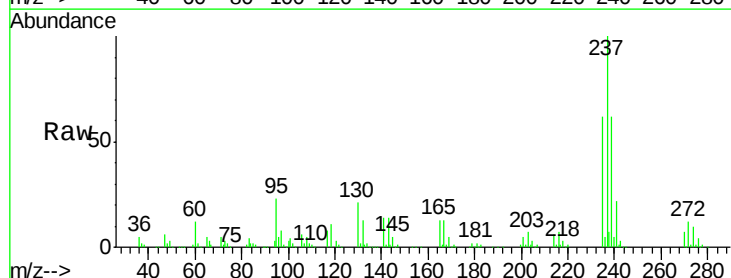
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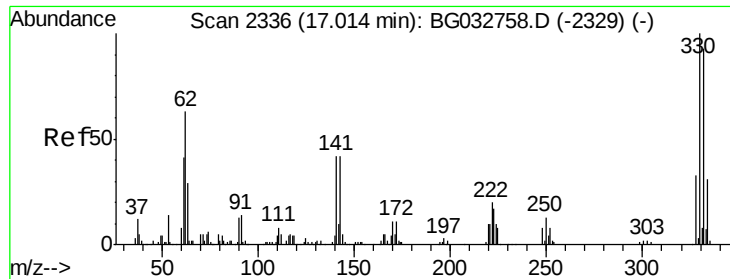
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#40
 Hexachlorocyclopentadiene
 Concen: 102.975 ng
 RT: 13.73 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	248907		
235	61.9	50.4	90.4	
272	12.4	0.0	31.8	





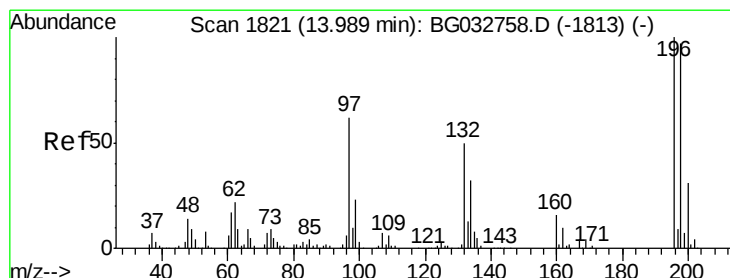
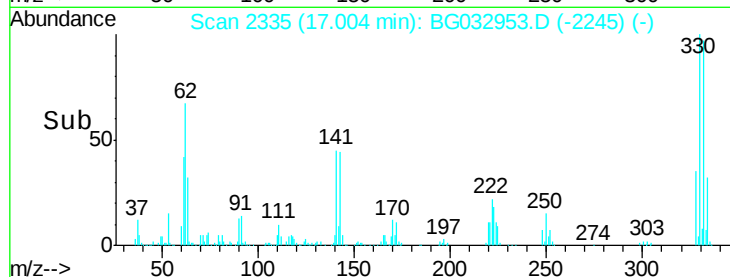
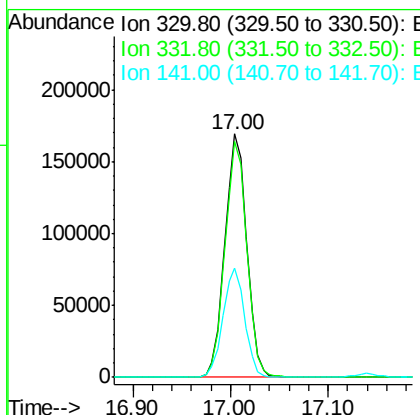
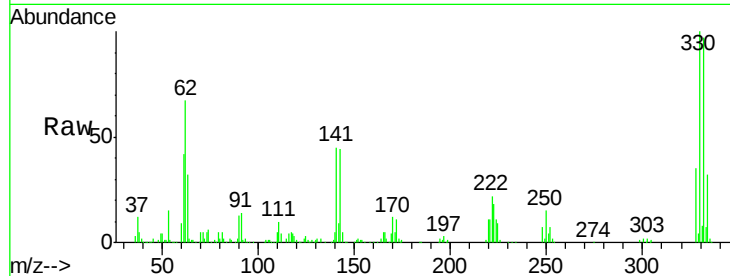
#41
 2,4,6-Tribromophenol
 Concen: 157.188 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	264069		
332	96.4	77.0	115.6	
141	44.7	25.2	37.8	

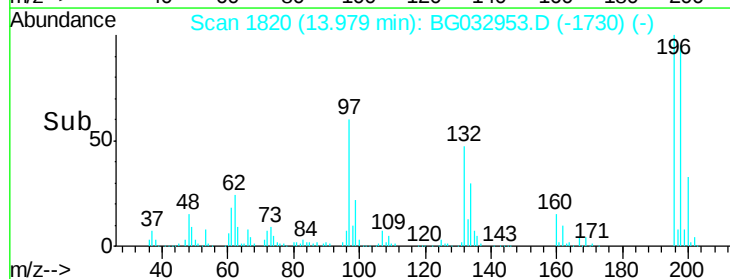
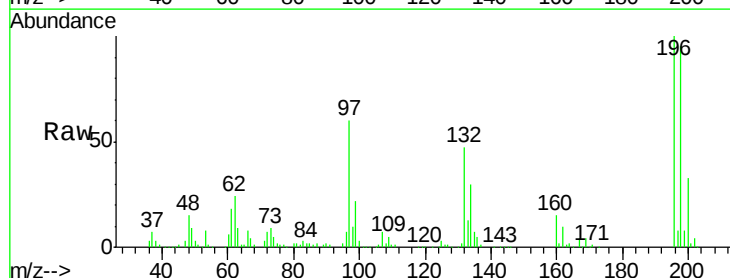
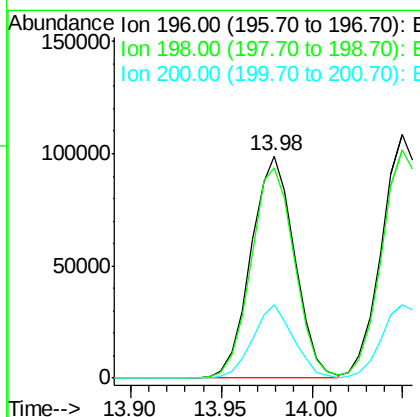
Manual Integrations
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#42
 2,4,6-Trichlorophenol
 Concen: 54.952 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	164364		
198	94.8	78.2	117.2	
200	32.7	24.6	36.8	





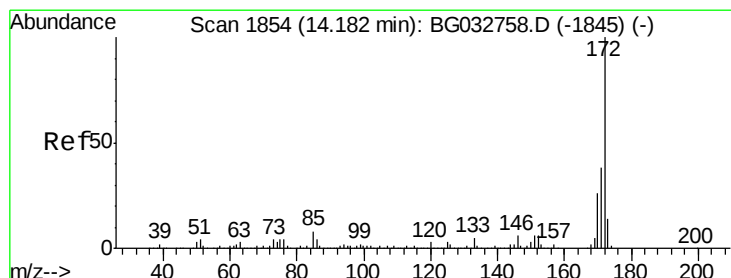
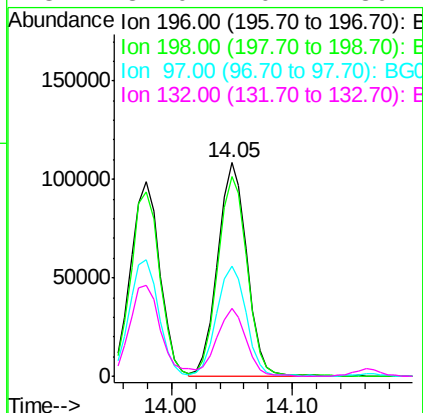
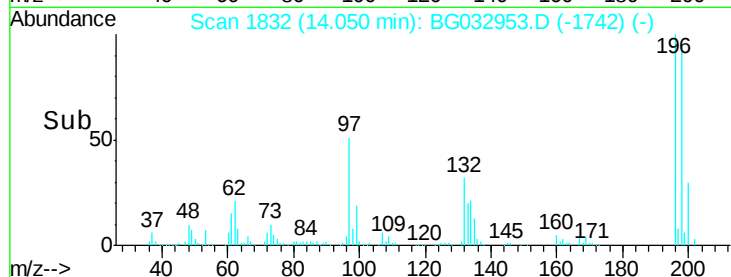
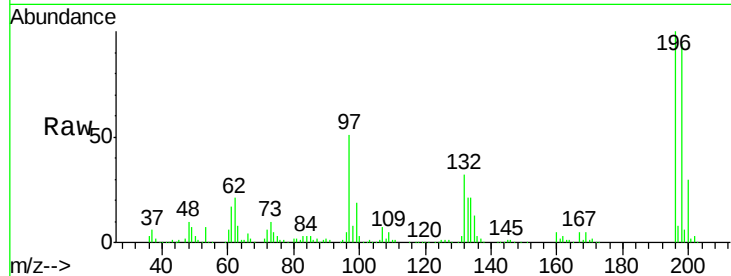
#43
 2,4,5-Trichlorophenol
 Concen: 51.961 ng
 RT: 14.05 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.7	76.2	114.4
97	51.3	38.7	58.1
132	32.0	20.2	30.2

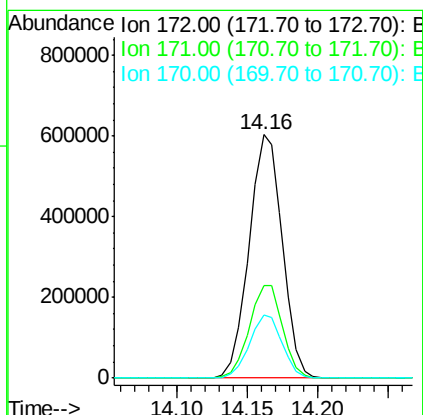
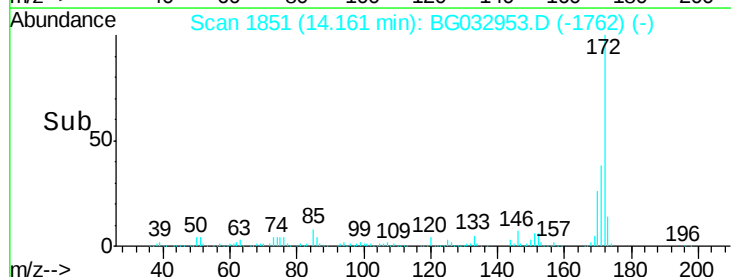
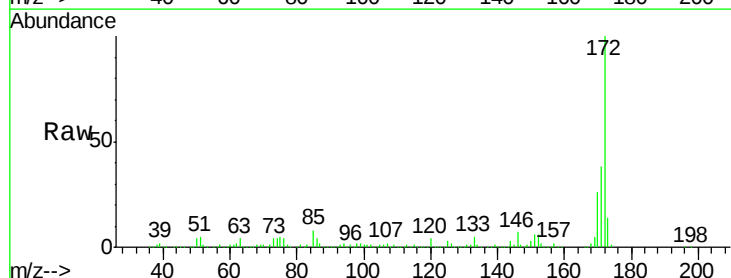
Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:18:07 PM



#44
 2-Fluorobiphenyl
 Concen: 89.791 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	25.9	19.5	29.3





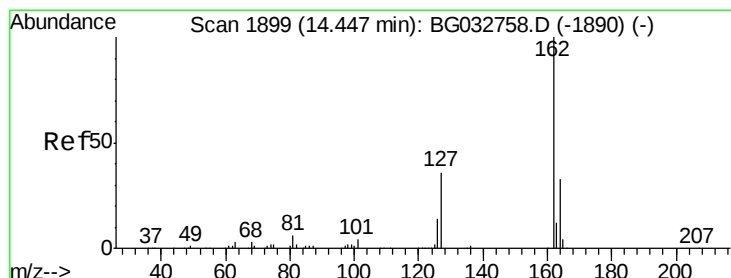
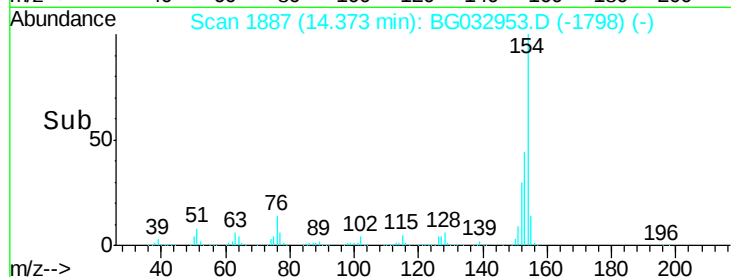
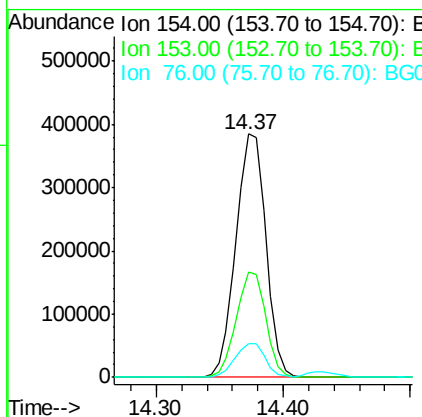
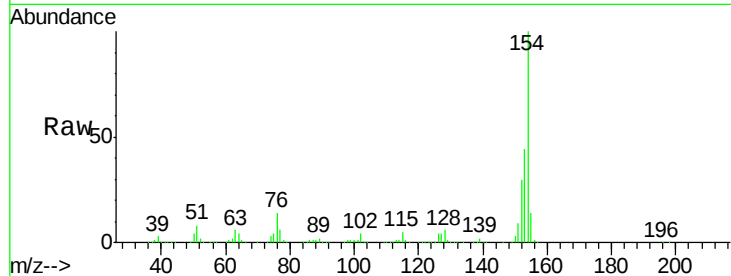
#45
1,1'-Biphenyl
Concen: 45.067 ng
RT: 14.37 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.5	19.8	59.8
76	14.0	0.0	31.9

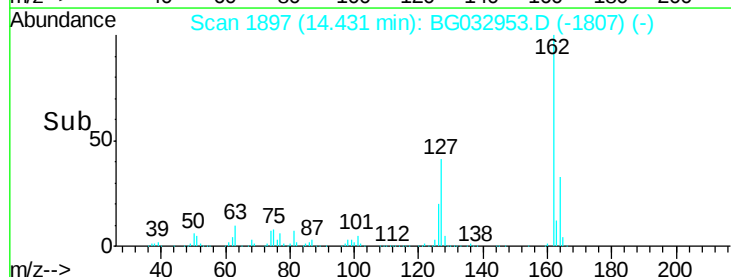
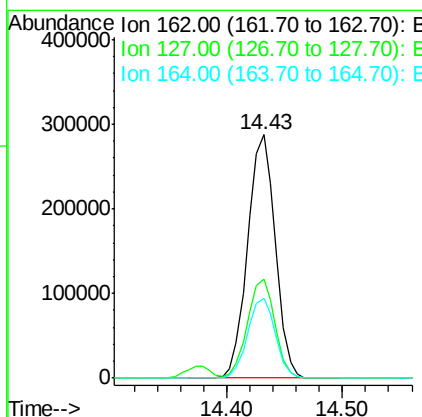
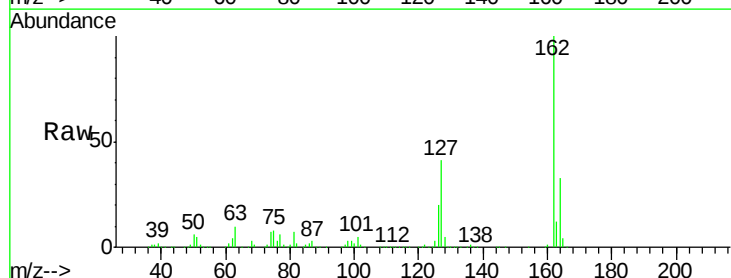
Manual Integrations
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3/5/2018 3:18:07 PM



#46
2-Chloronaphthalene
Concen: 45.907 ng
RT: 14.43 min Scan# 1897
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.7	30.7	46.1
164	32.9	26.0	39.0





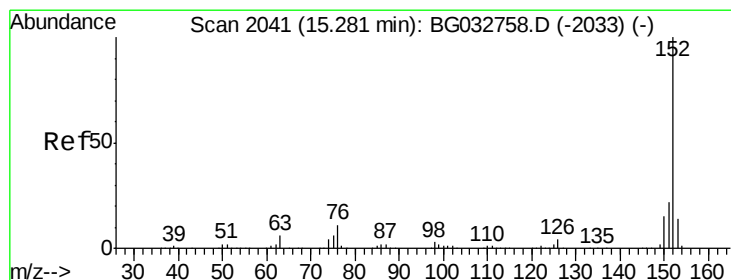
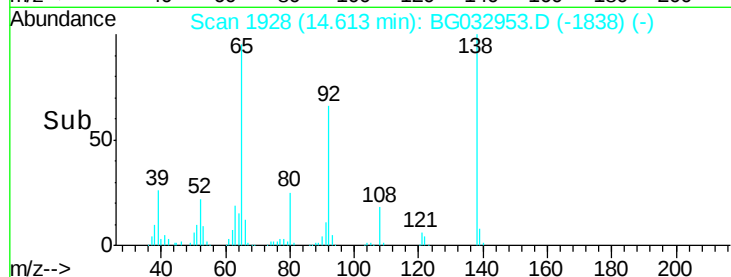
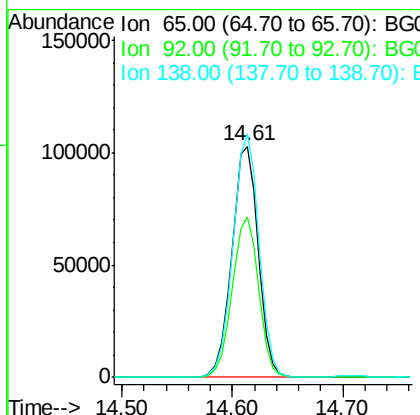
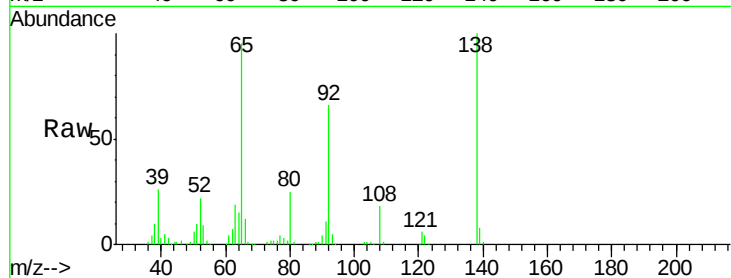
#47
2-Nitroaniline
Concen: 61.896 ng
RT: 14.61 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.7	54.6	82.0
138	105.5	72.9	109.3

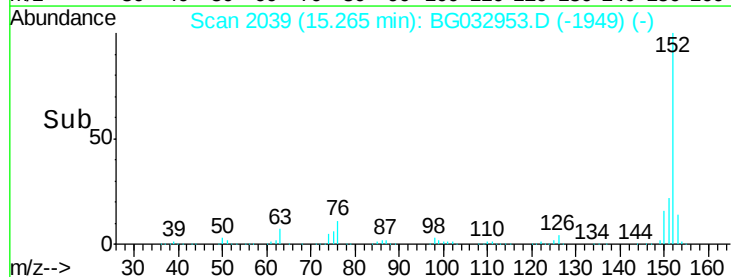
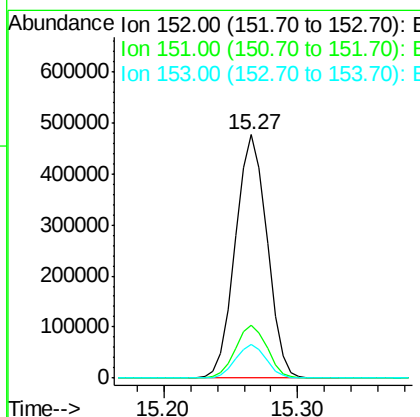
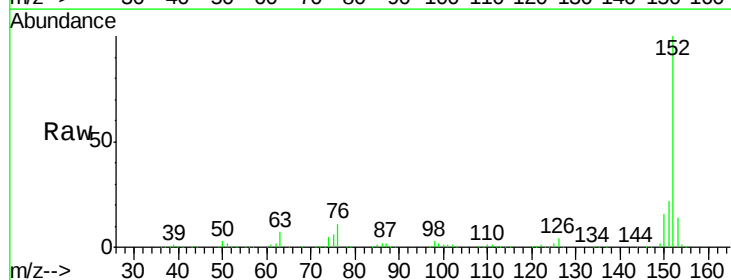
Manual Integrations
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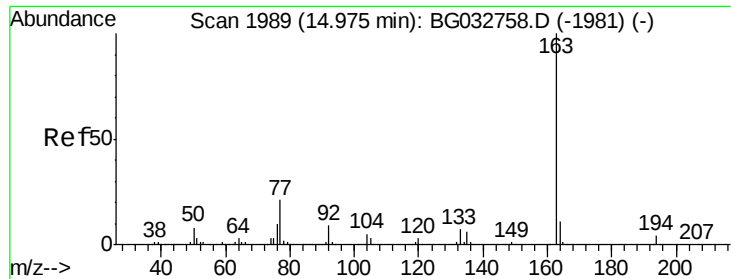
Sohil
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#48
Acenaphthylene
Concen: 45.791 ng
RT: 15.27 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.2	25.8
153	13.9	10.2	15.4





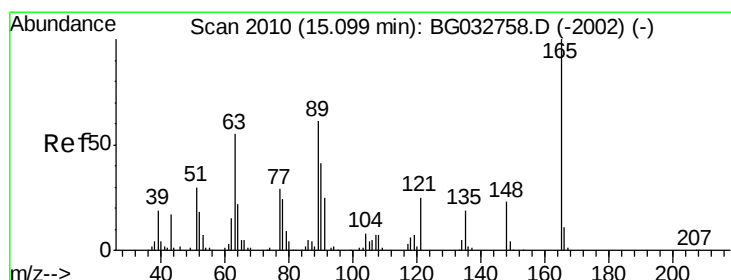
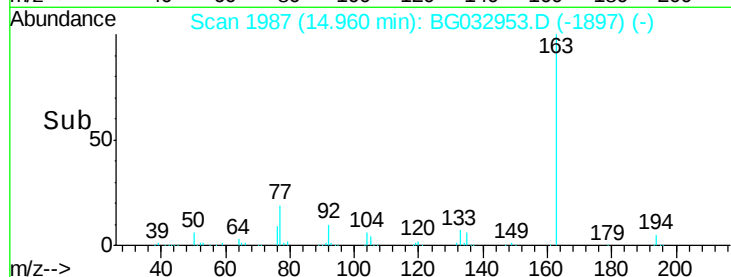
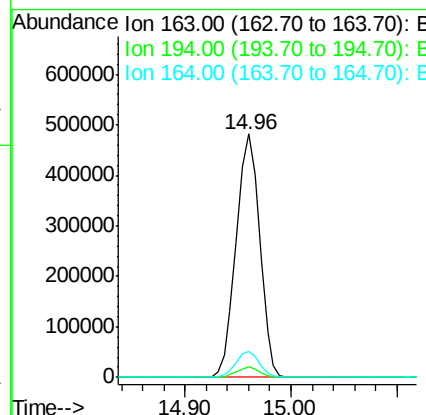
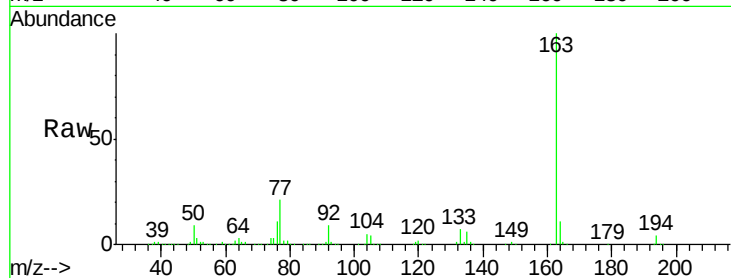
#49
Dimethylphthalate
Concen: 54.604 ng
RT: 14.96 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	740770		
194	4.2		3.4	5.2
164	10.7		8.2	12.4

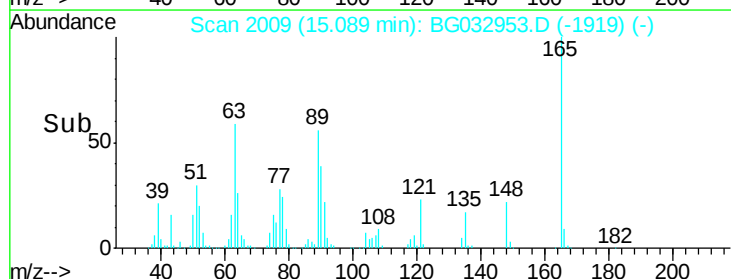
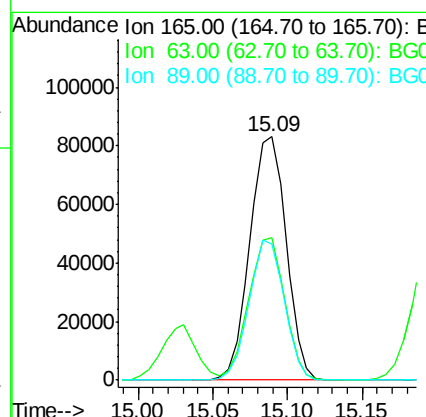
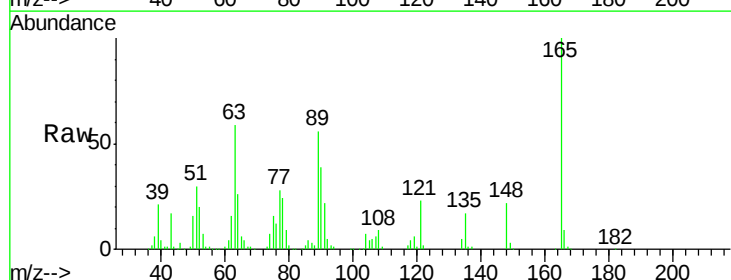
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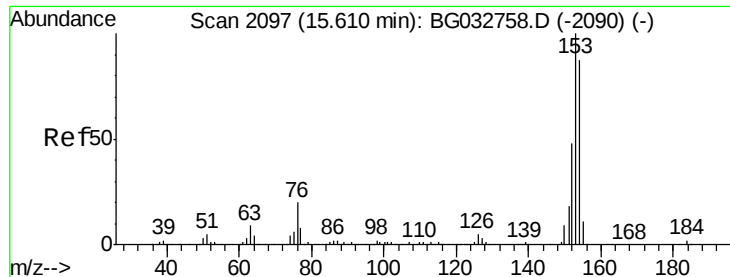
Sohil
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#50
2,6-Dinitrotoluene
Concen: 59.629 ng
RT: 15.09 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	139835		
63	58.8		52.7	79.1
89	56.0		49.2	73.8





#51

Acenaphthene

Concen: 50.605 ng

RT: 15.60 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:154 Resp: 538142

Ion Ratio Lower Upper

154 100

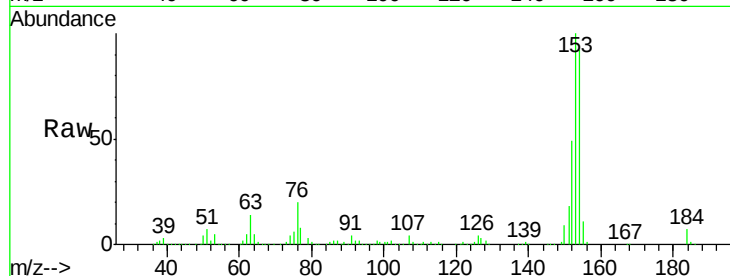
153 108.2 90.4 135.6

152 52.5 41.6 62.4

Manual Integrations
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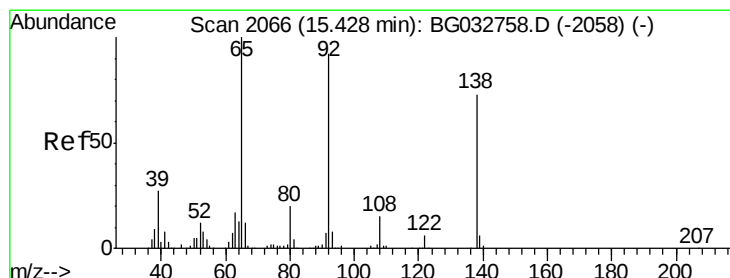
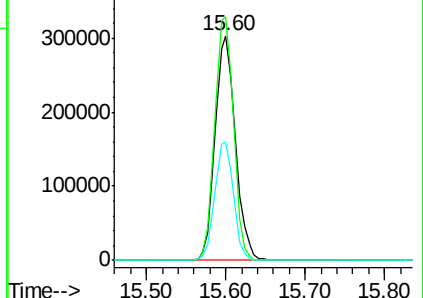
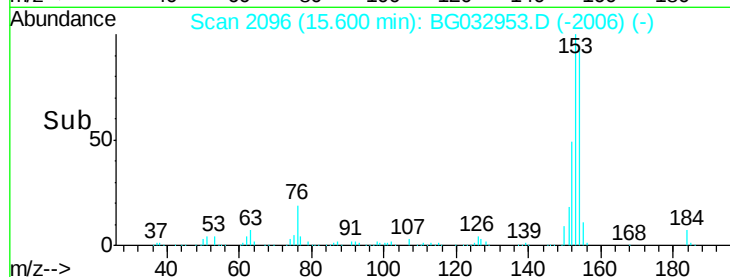
3/5/2018 3:18:07 PM



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: 39.250 ng

RT: 15.42 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

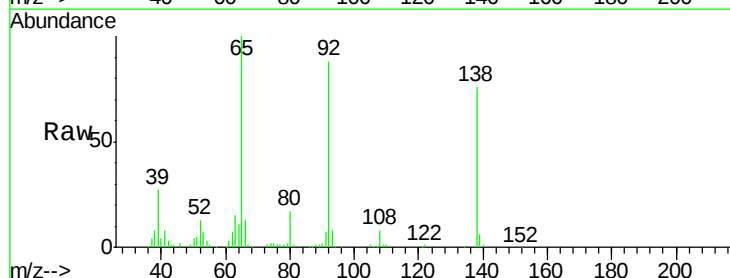
Tgt Ion:138 Resp: 104501

Ion Ratio Lower Upper

138 100

108 10.3 17.5 26.3#

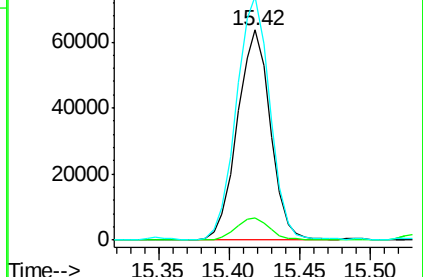
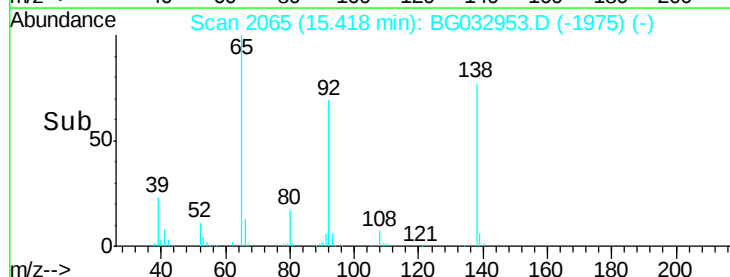
92 115.9 105.8 158.8

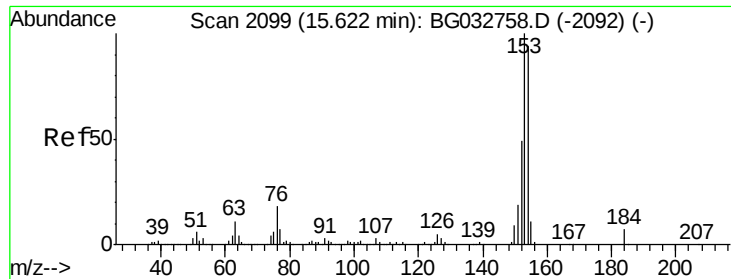


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





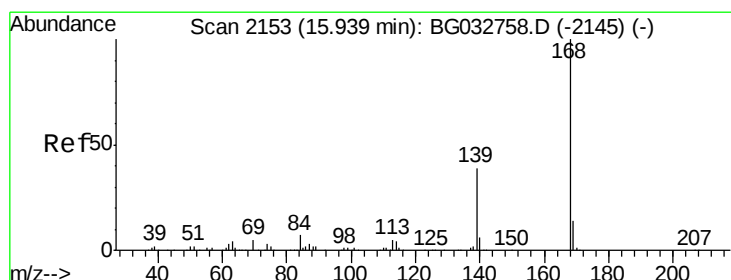
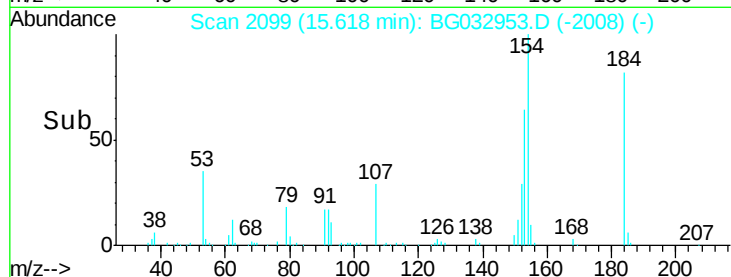
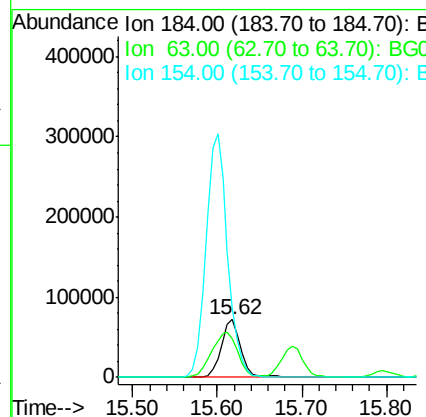
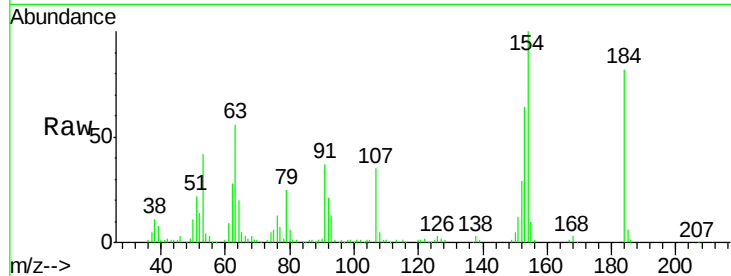
#53
 2,4-Dinitrophenol
 Concen: 132.860 ng
 RT: 15.62 min Scan# 2099
 Delta R.T. 0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	67.8	59.8	89.8
154	121.9	101.8	152.8

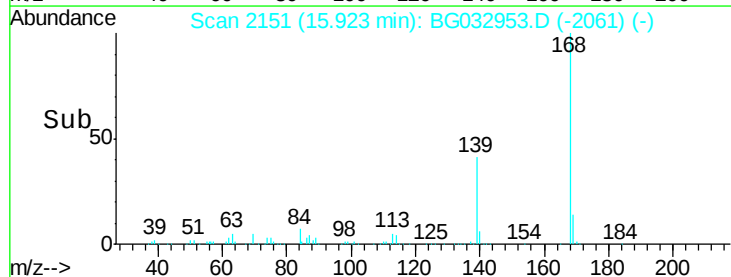
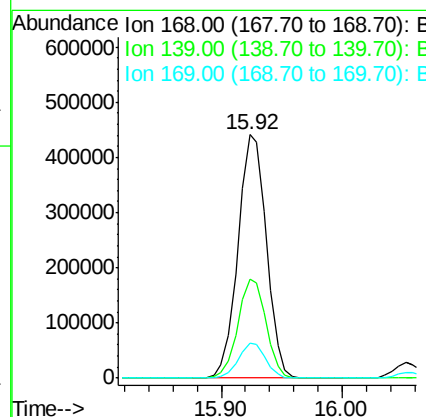
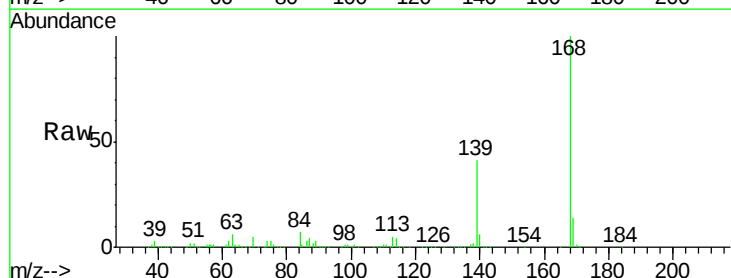
Manual Integrations
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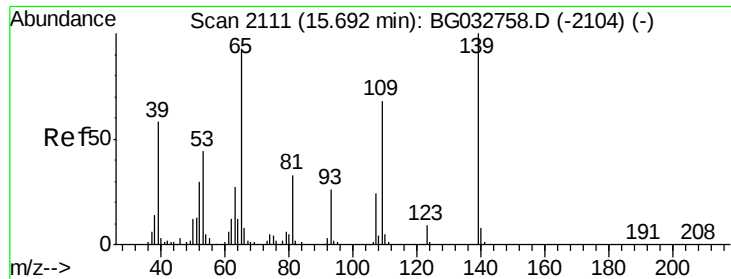
Sohil
 3/5/2018 3:18:07 PM



#54
 Dibenzofuran
 Concen: 47.714 ng
 RT: 15.92 min Scan# 2151
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.8	28.6	43.0
169	14.3	11.2	16.8





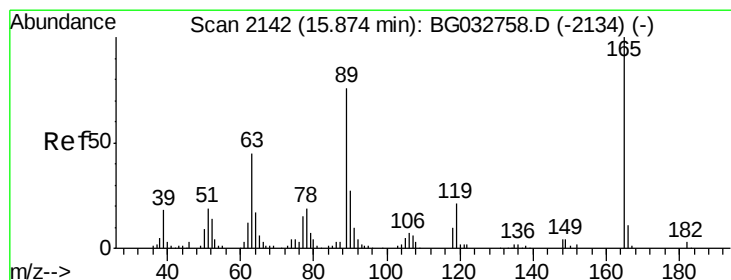
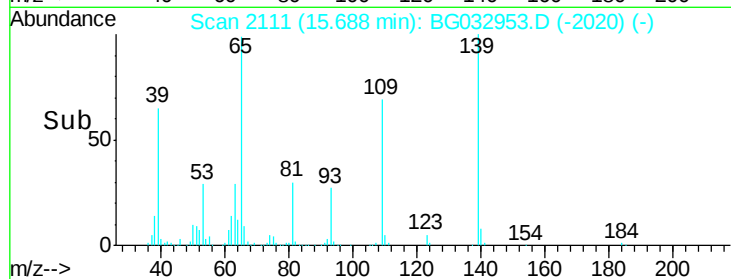
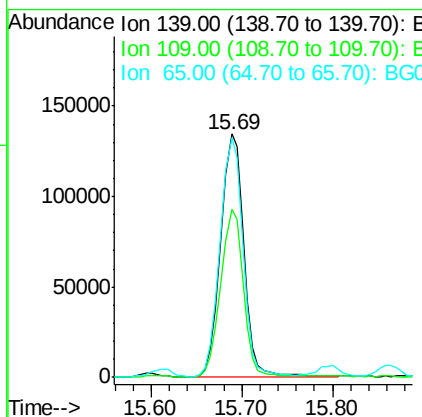
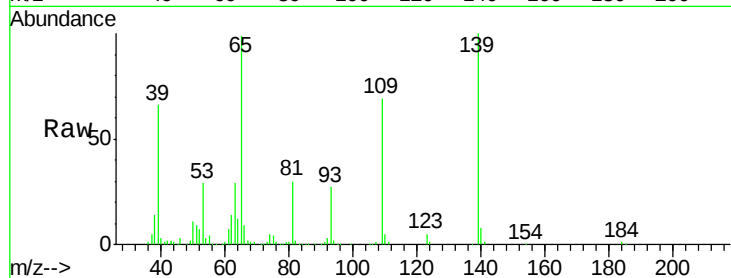
#55
4-Nitrophenol
Concen: 105.841 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	240706		
109	69.3	62.2	102.2	
65	98.5	97.2	137.2	

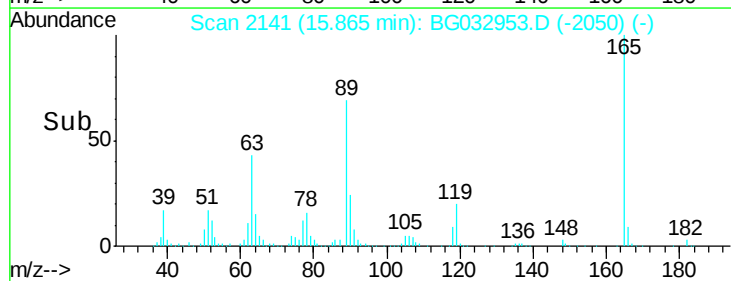
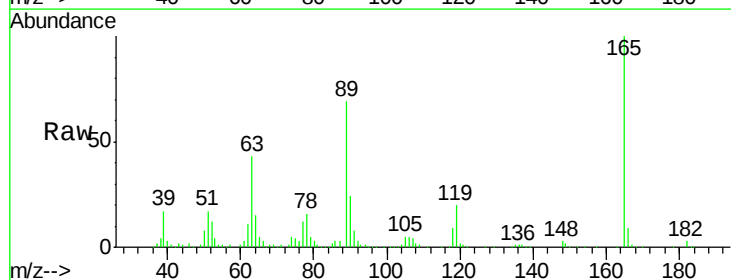
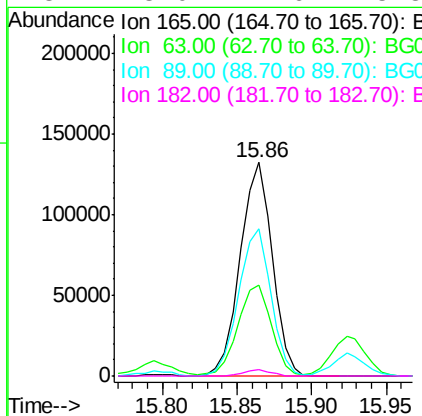
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#56
2,4-Dinitrotoluene
Concen: 67.350 ng
RT: 15.86 min Scan# 2141
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	196923		
63	42.5	42.0	63.0	
89	68.8	66.9	100.3	
182	3.0	2.6	3.8	





#57

Fluorene

Concen: 46.255 ng

RT: 16.57 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:166 Resp: 578069

Ion Ratio Lower Upper

166 100

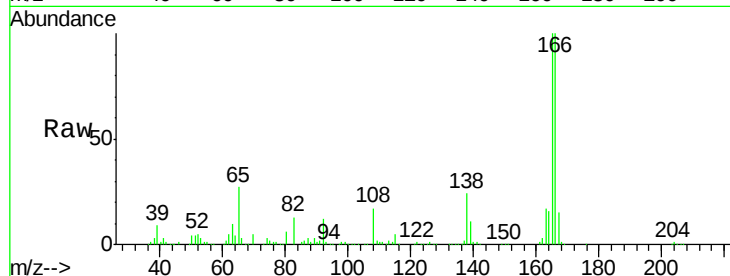
165 100.1 80.6 121.0

167 14.8 10.4 15.6

Manual Integrations
APPROVED

Sohil

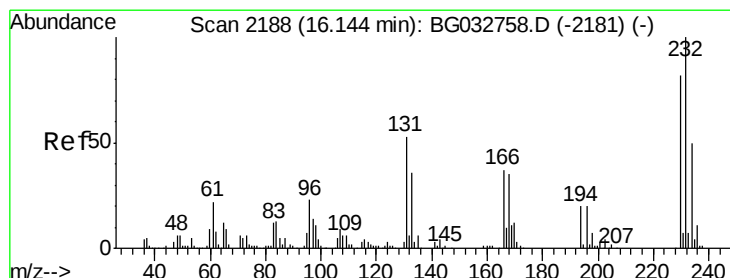
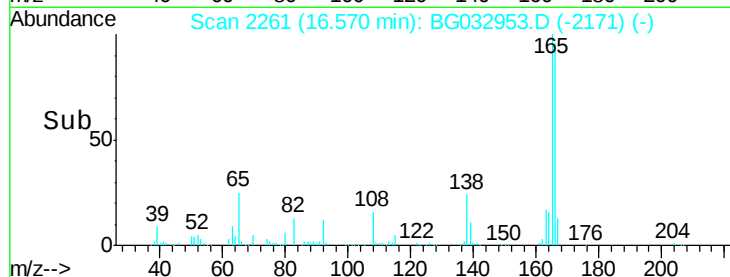
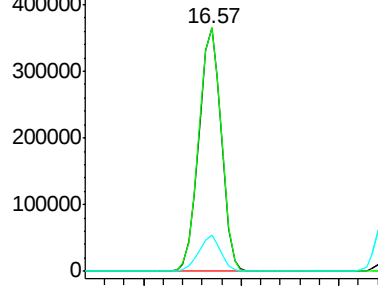
3/5/2018 3:18:07 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 57.283 ng m

RT: 16.13 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion:232 Resp: 153962

Ion Ratio Lower Upper

232 100

131 45.1 33.5 50.3

130 3.0 2.2 3.2

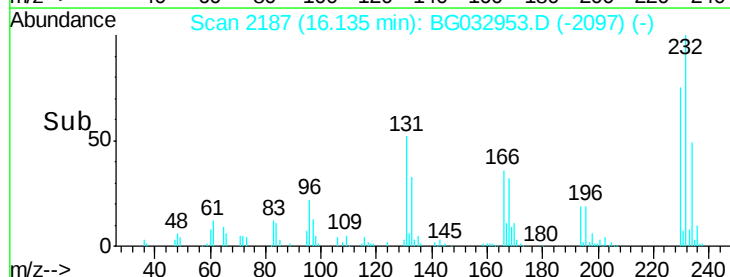
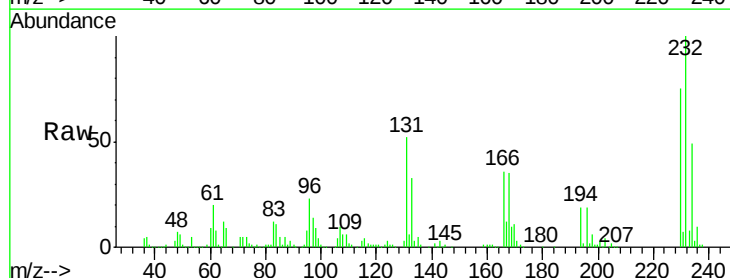
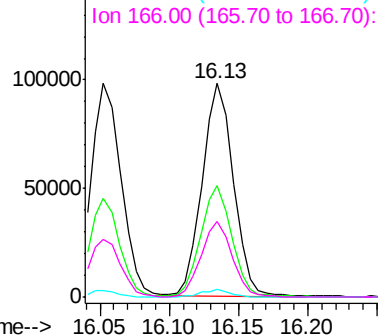
166 27.8 24.8 37.2

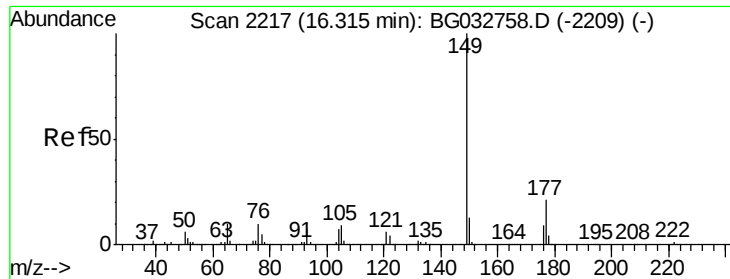
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





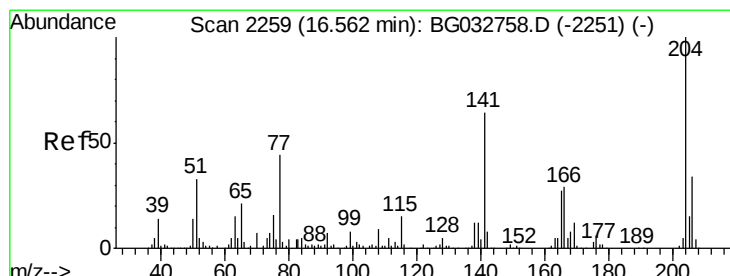
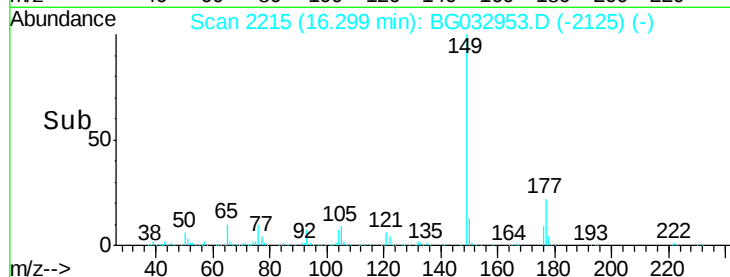
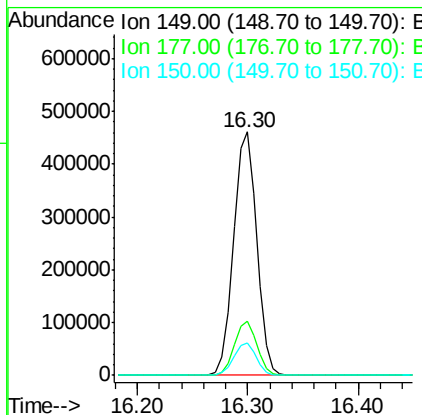
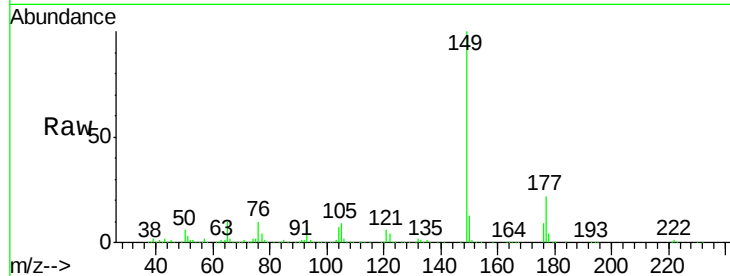
#59
Diethylphthalate
Concen: 47.377 ng
RT: 16.30 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	677915		
177	22.4	18.5	27.7	
150	13.4	10.2	15.2	

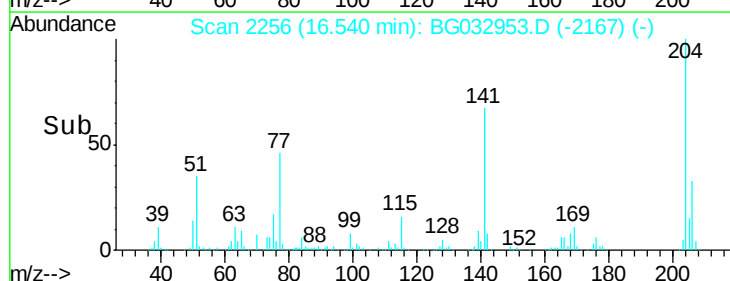
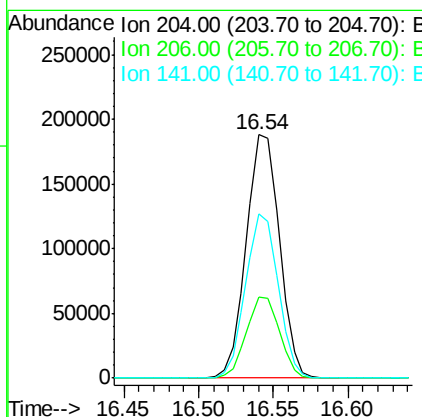
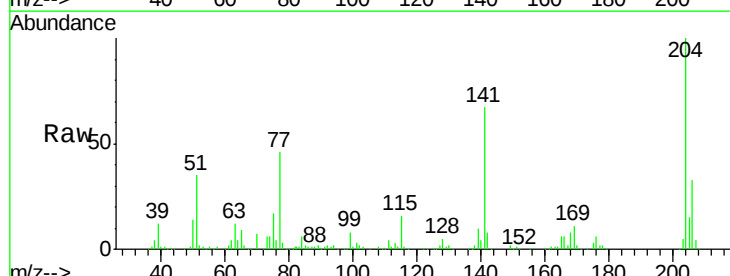
Manual Integrations
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3/5/2018 3:18:07 PM



#60
4-Chlorophenyl-phenylether
Concen: 47.356 ng
RT: 16.54 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	289518		
206	33.3	26.2	39.2	
141	67.3	45.8	68.6	





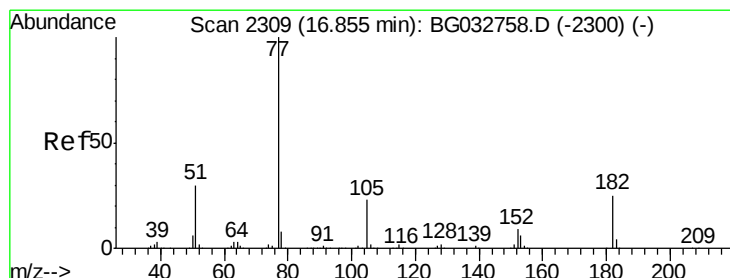
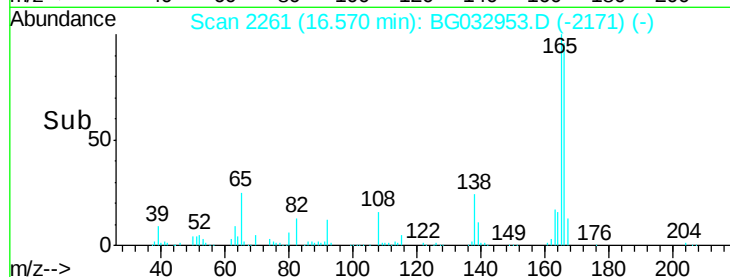
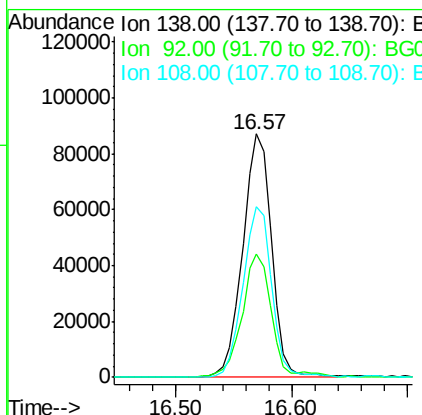
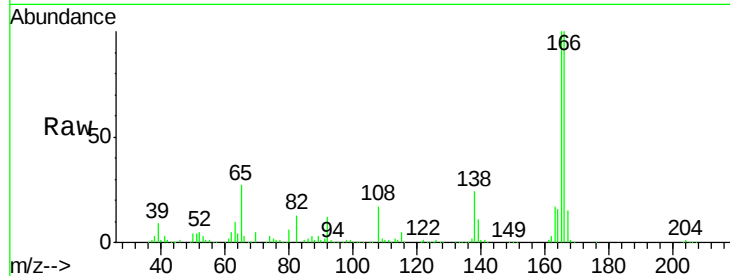
#61
4-Nitroaniline
Concen: 51.077 ng
RT: 16.57 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.5	40.1	80.1
108	70.2	65.4	105.4

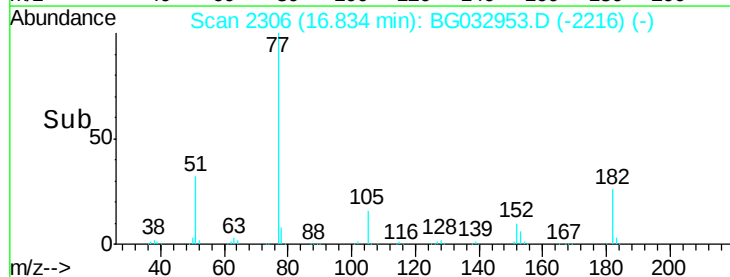
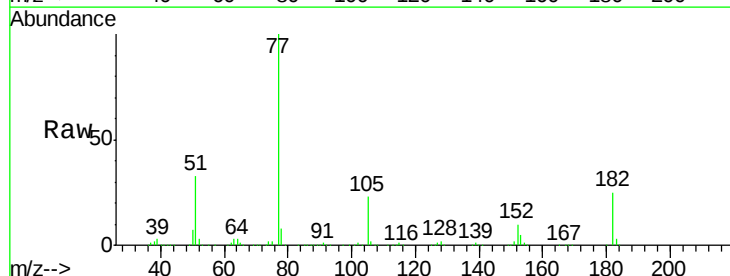
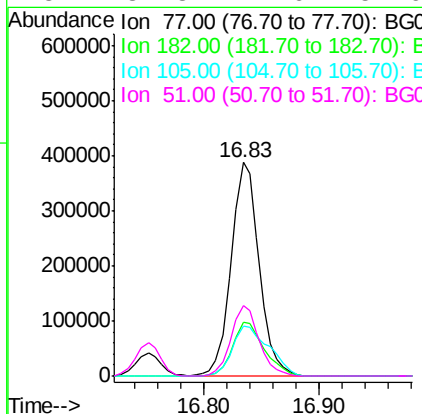
Manual Integrations
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#62
Azobenzene
Concen: 50.722 ng
RT: 16.83 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.9	7.4	47.4
105	23.1	0.3	40.3
51	32.8	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

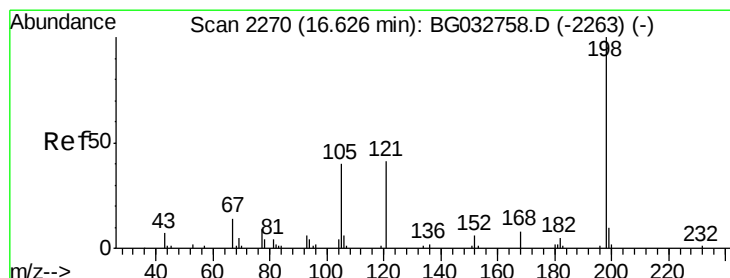
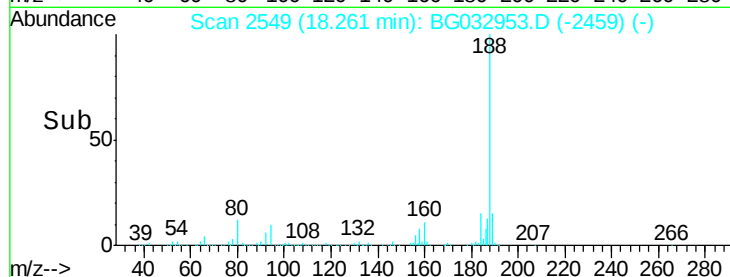
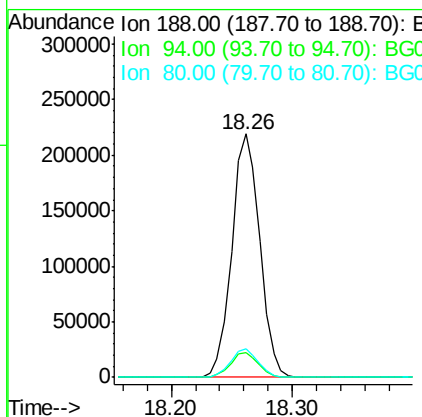
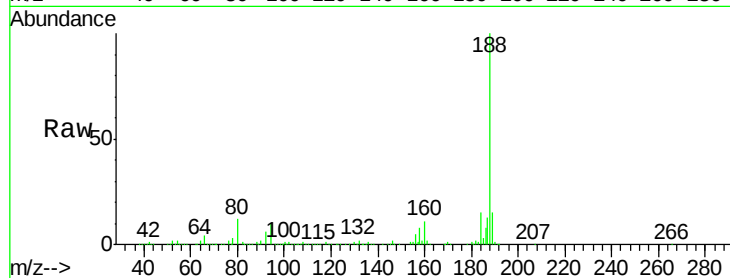
ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:	188	Resp:	352062
Ion Ratio	Lower	Upper	
188	100		
94	10.3	6.9	10.3#
80	11.7	7.7	11.5#

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#64

4,6-Dinitro-2-methylphenol

Concen: 73.302 ng

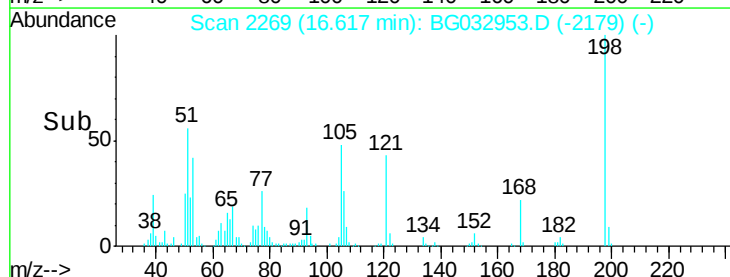
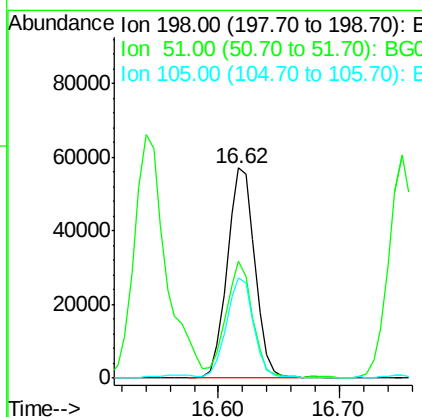
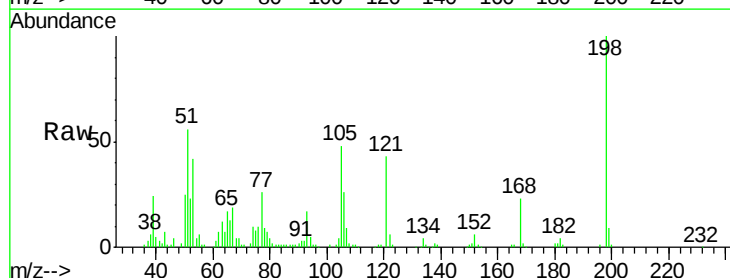
RT: 16.62 min Scan# 2269

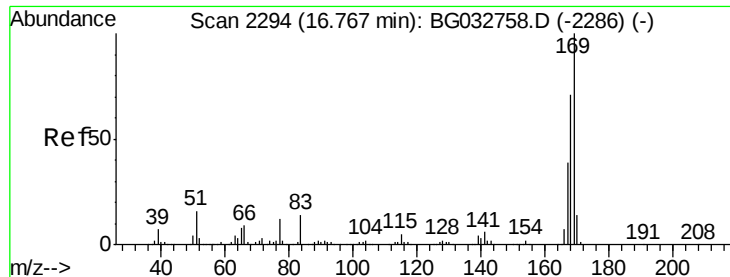
Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Tgt Ion:	198	Resp:	90902
Ion Ratio	Lower	Upper	
198	100		
51	55.9	30.6	70.6
105	47.9	23.8	63.8





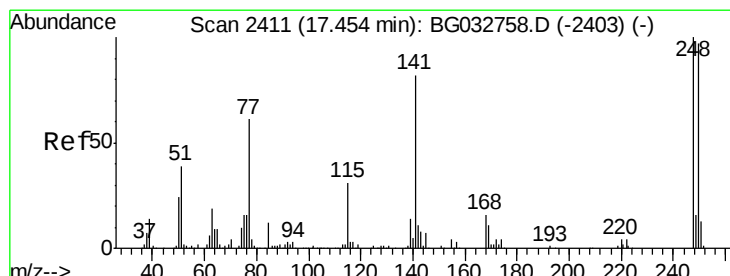
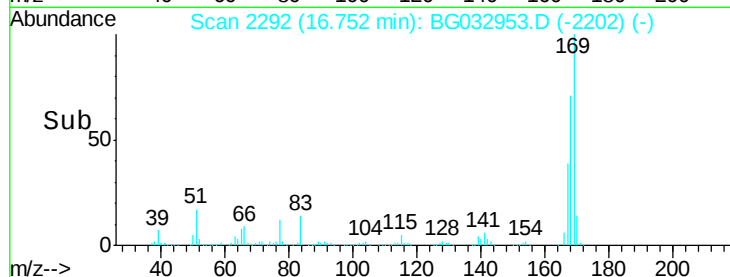
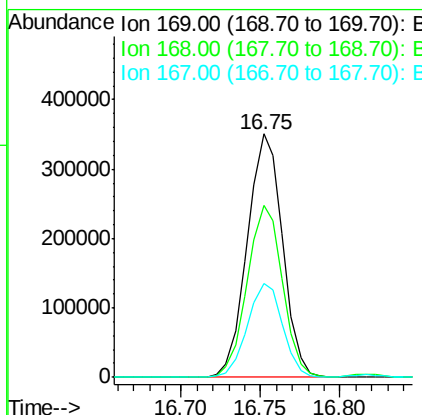
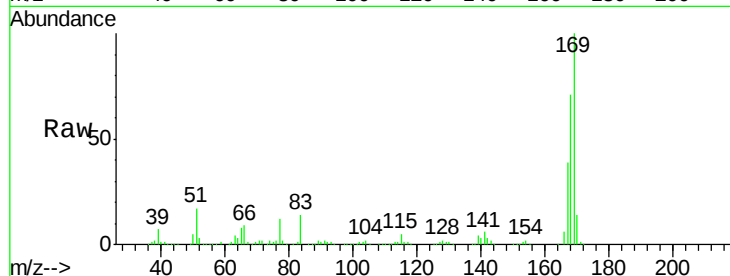
#65
n-Nitrosodiphenylamine
Concen: 47.273 ng
RT: 16.75 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	70.6	55.7	83.5
167	38.6	30.1	45.1

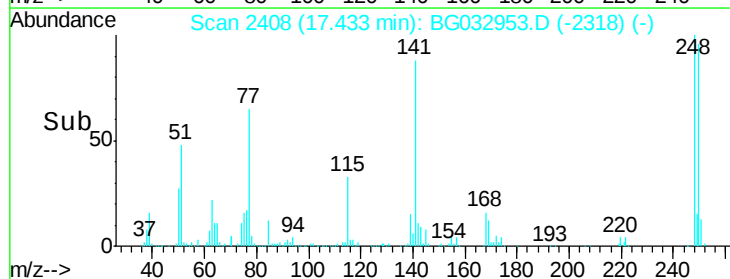
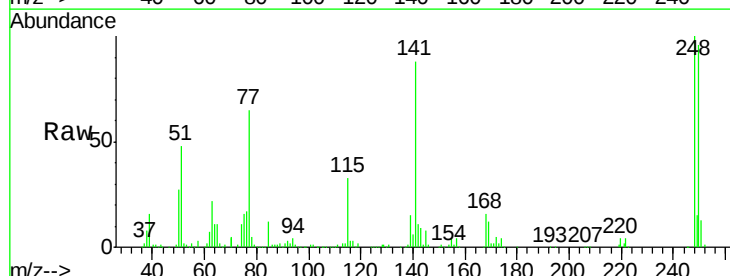
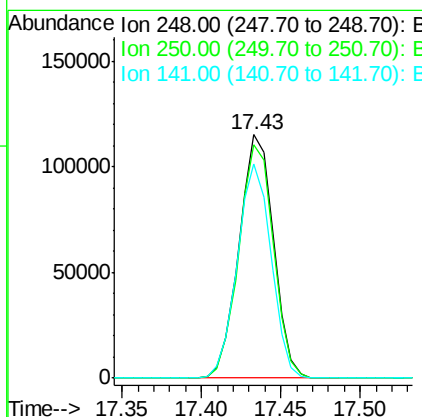
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#66
4-Bromophenyl-phenylether
Concen: 46.708 ng
RT: 17.43 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.1	115.7
141	87.8	50.8	76.2





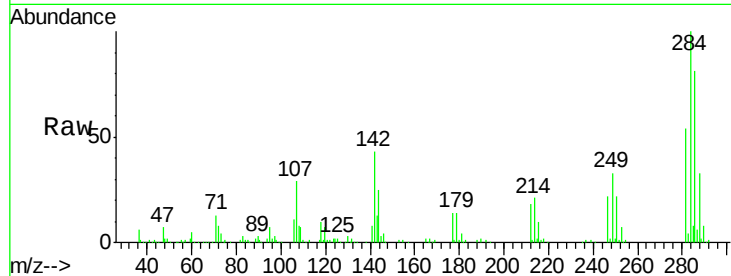
#67
Hexachlorobenzene
Concen: 44.342 ng
RT: 17.56 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

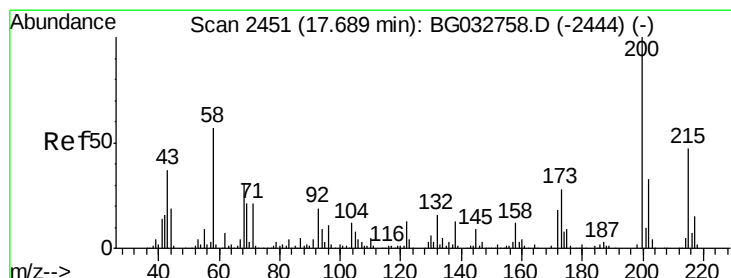
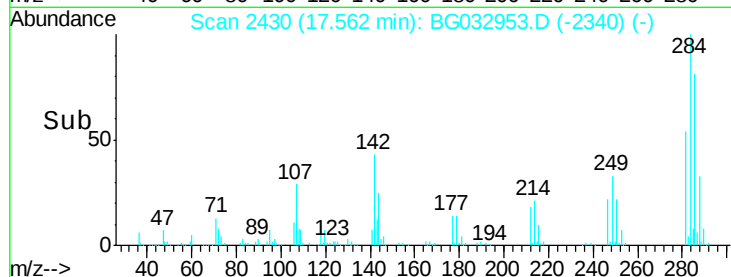
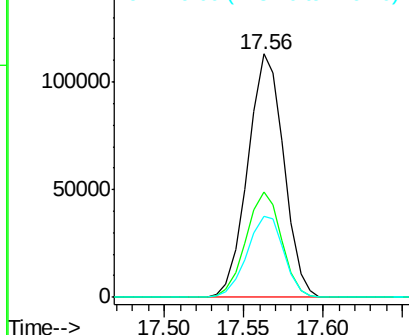
Tot Ion	Ratio	Resp	Lower	Upper
284	100	178384		
142	43.5	26.8	40.2	
249	33.4	26.3	39.5	

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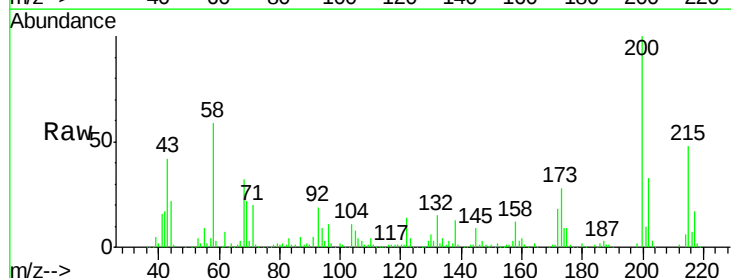


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

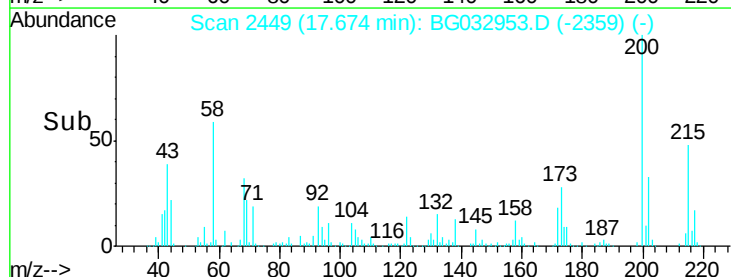
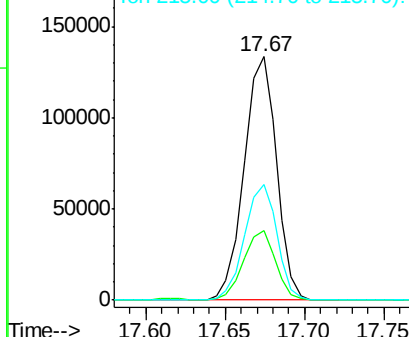


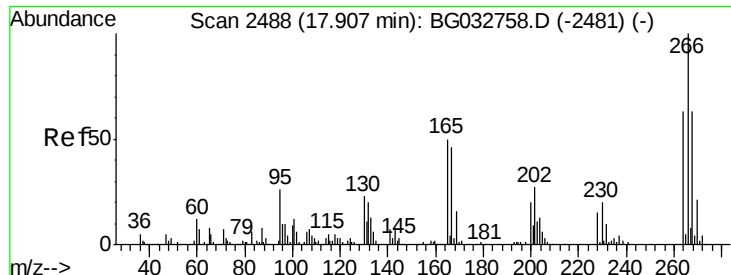
#68
Atrazine
Concen: 50.341 ng
RT: 17.67 min Scan# 2449
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	189783		
173	28.5	5.2	45.2	
215	47.6	30.4	70.4	



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





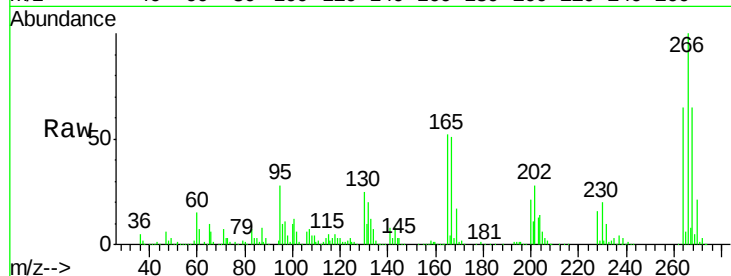
#69
 Pentachlorophenol
 Concen: 96.308 ng
 RT: 17.90 min Scan# 2487
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

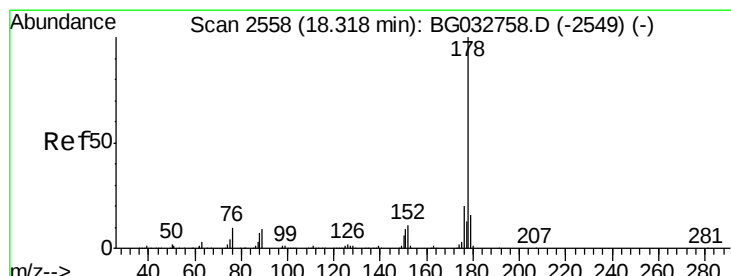
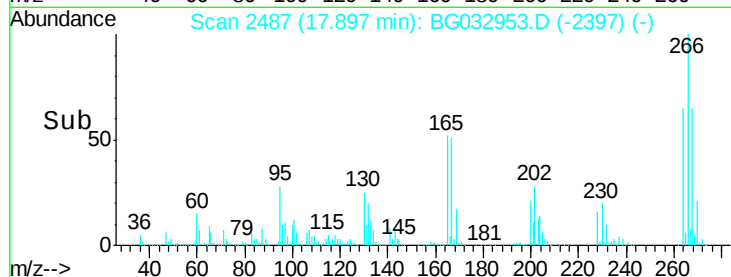
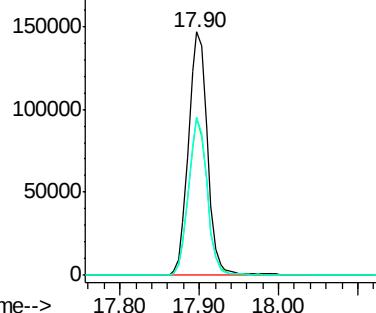
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.1	76.7
264	64.9	49.6	74.4

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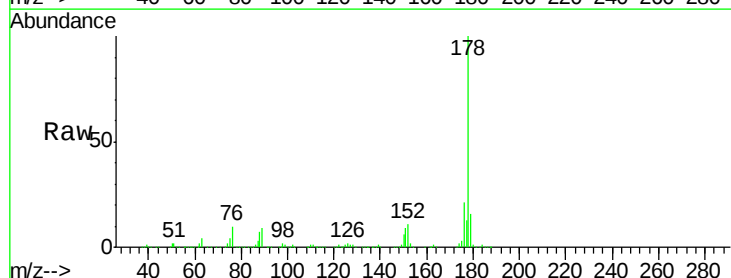


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

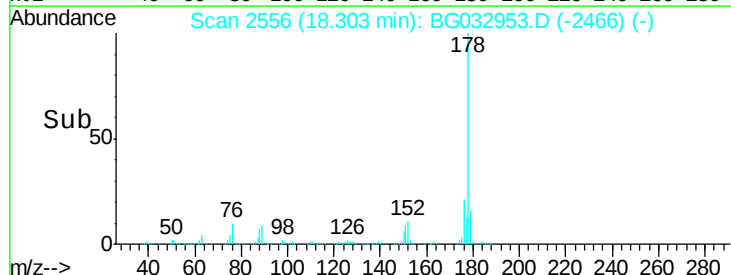
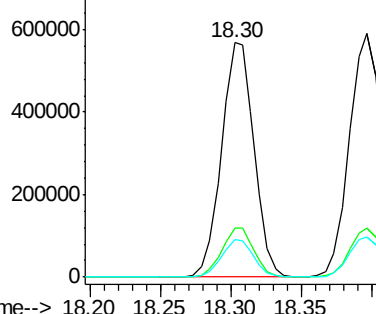


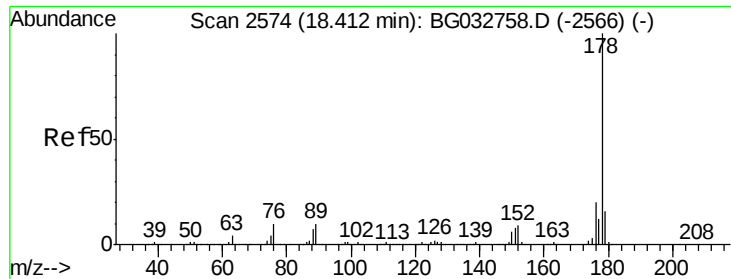
#70
 Phenanthrene
 Concen: 46.755 ng
 RT: 18.30 min Scan# 2556
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.7	23.5
179	16.1	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





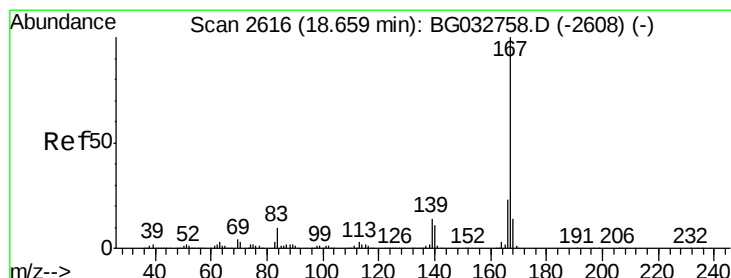
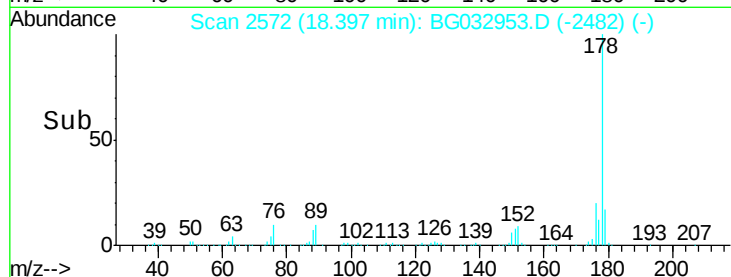
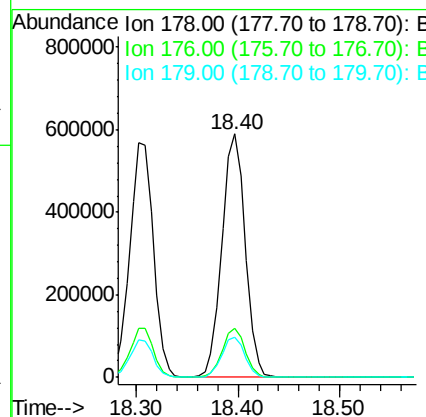
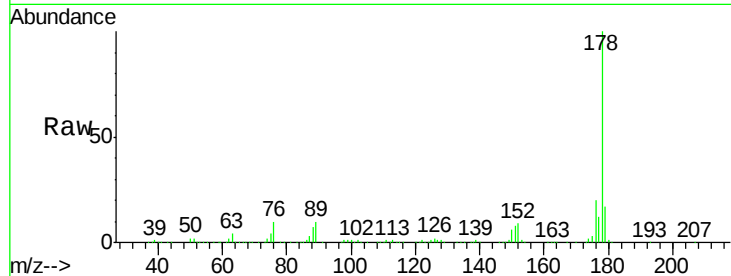
#71
 Anthracene
 Concen: 47.555 ng
 RT: 18.40 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	16.7	12.5	18.7

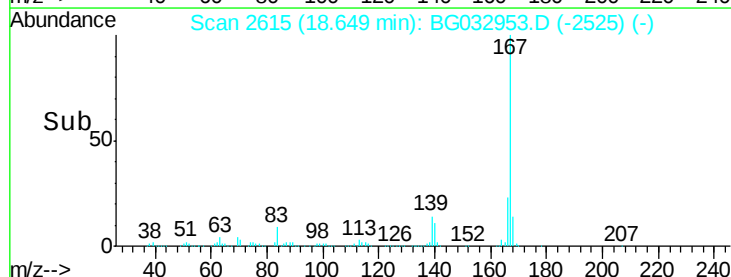
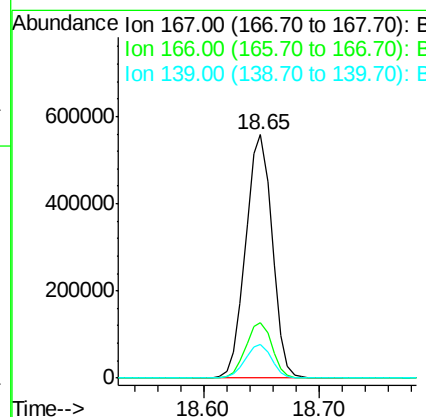
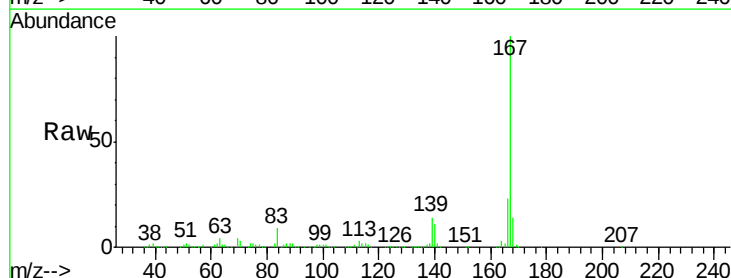
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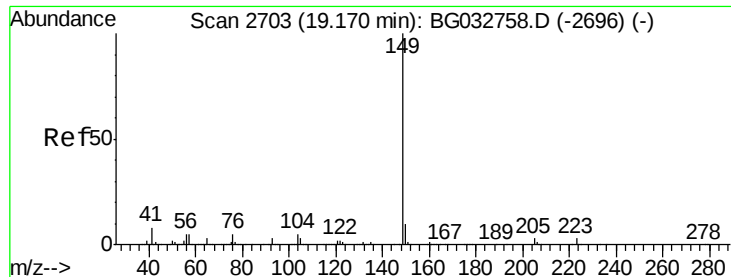
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#72
 Carbazole
 Concen: 45.770 ng
 RT: 18.65 min Scan# 2615
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.2	27.4
139	13.8	9.4	14.2





#73

Di-n-butylphthalate

Concen: 46.719 ng

RT: 19.15 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

Instrument :

BNA_G

ClientSampleId :

CLEAN-SAND-17MSD

Tot Ion:149 Resp: 1113985

Ion Ratio Lower Upper

149 100

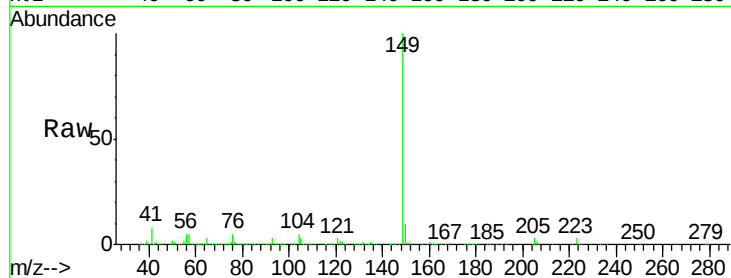
150 10.2 7.8 11.6

104 5.2 3.9 5.9

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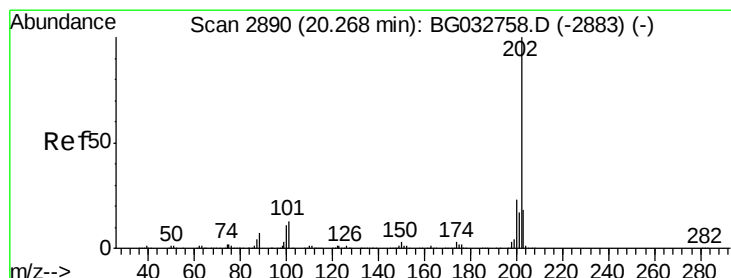
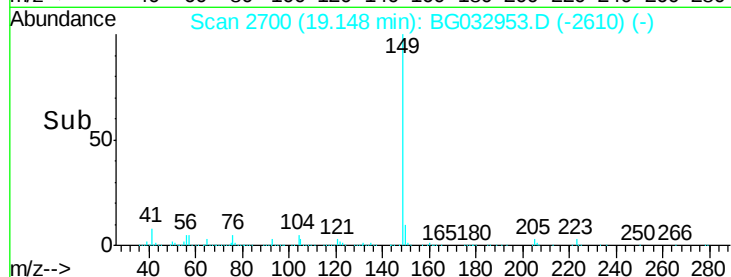
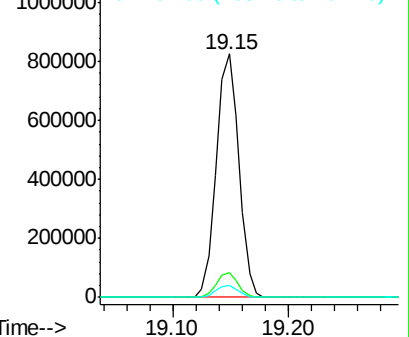
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.660 ng

RT: 20.25 min Scan# 2888

Delta R.T. 0.00 min

Lab File: BG032953.D

Acq: 2 Mar 2018 19:47

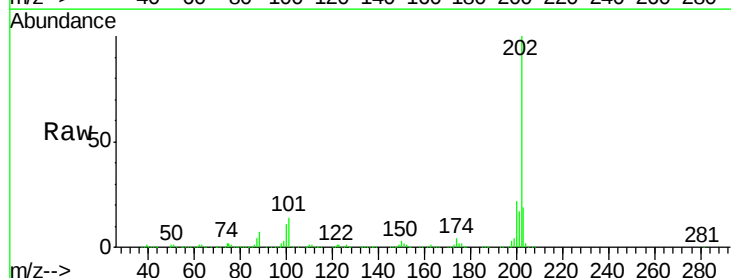
Tgt Ion:202 Resp: 1012369

Ion Ratio Lower Upper

202 100

101 13.8 0.0 28.9

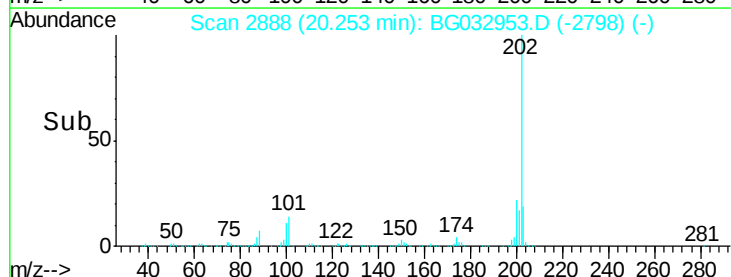
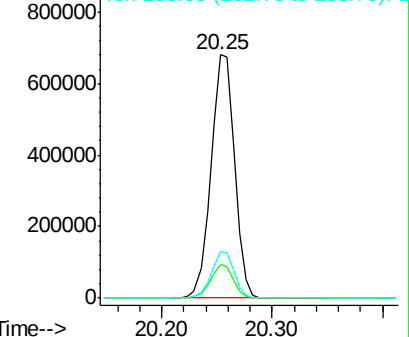
203 19.1 0.0 37.5

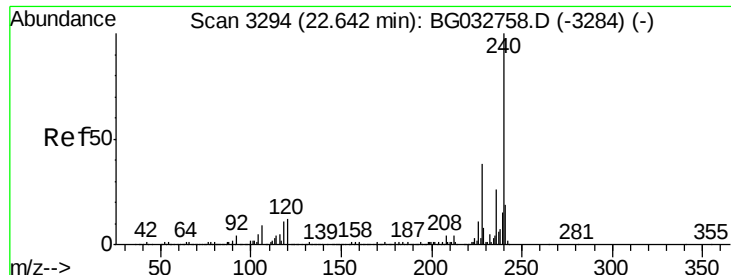


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





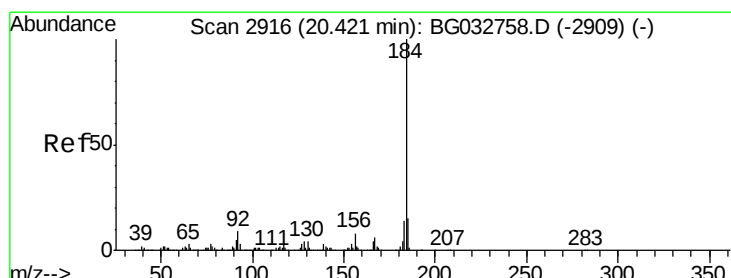
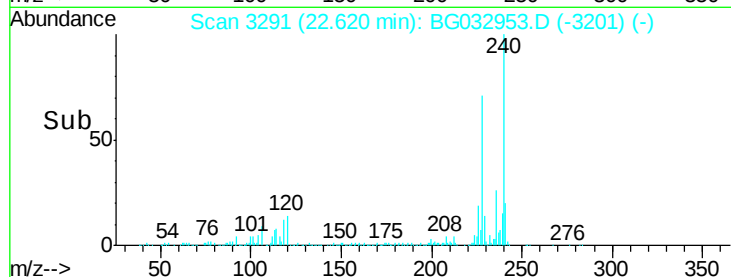
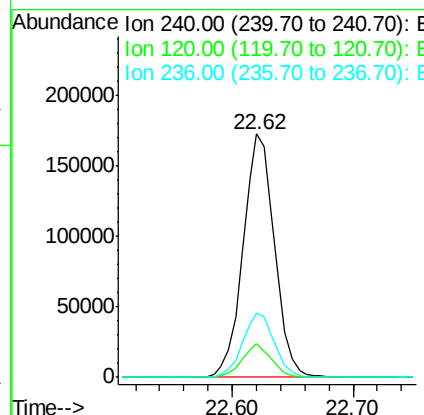
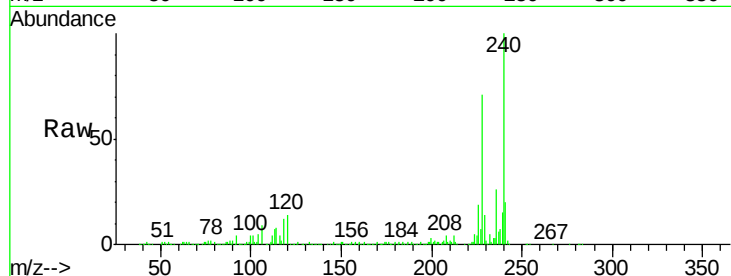
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	6.8	10.2#
236	26.4	20.9	31.3

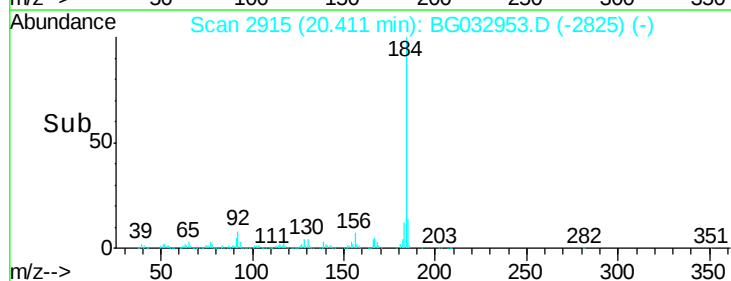
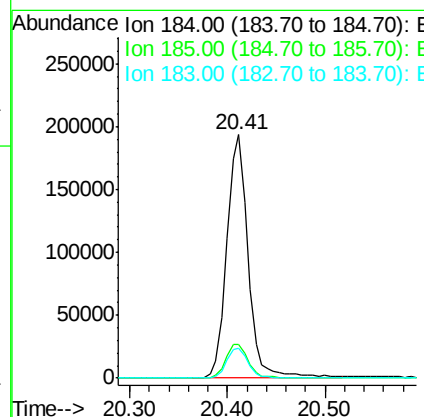
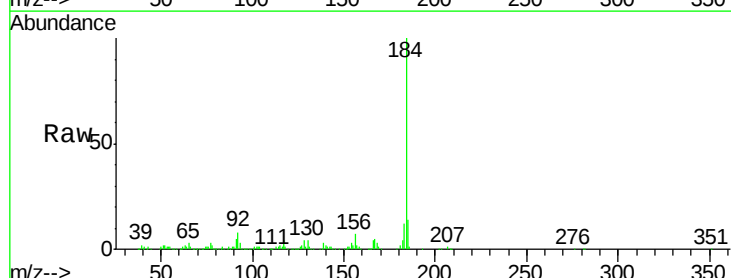
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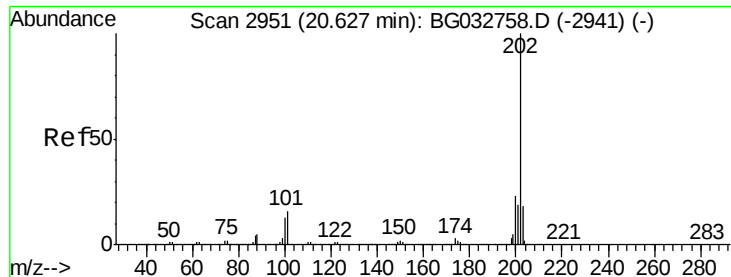
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#76
Benzidine
Concen: 27.557 ng
RT: 20.41 min Scan# 2915
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.1	16.7
183	12.4	10.6	16.0





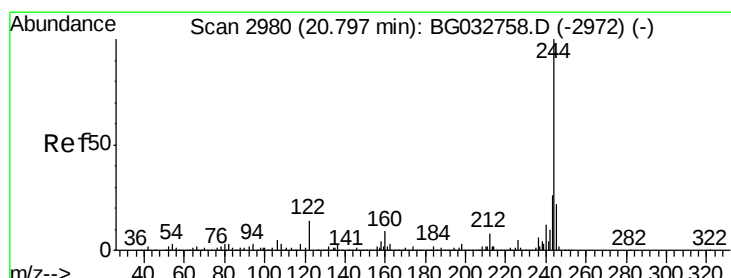
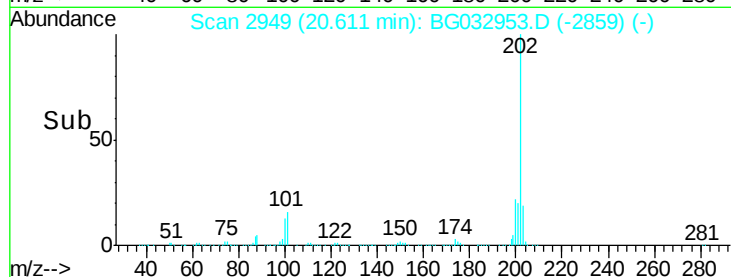
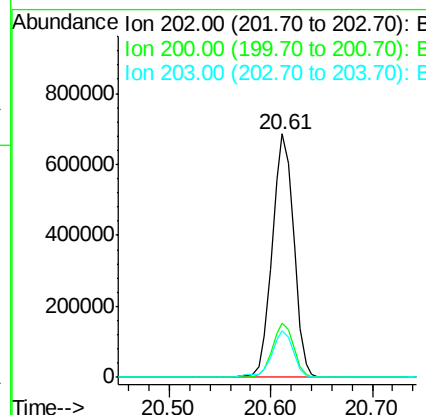
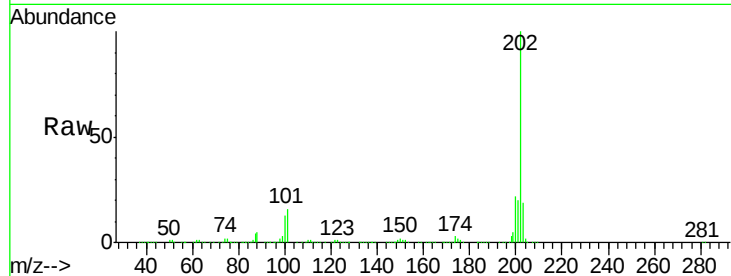
#77
Pvrene
Concen: 45.804 ng
RT: 20.61 min Scan# 2949
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	19.0	13.9	20.9

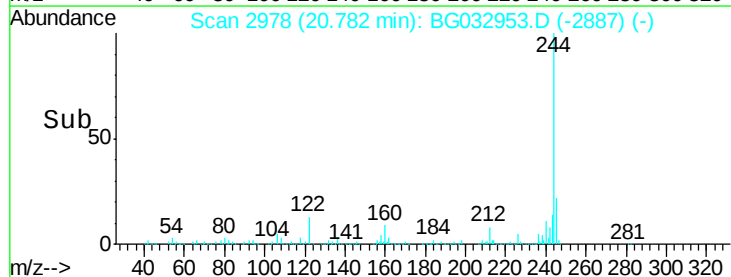
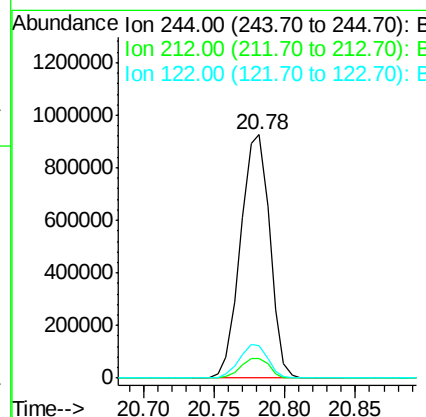
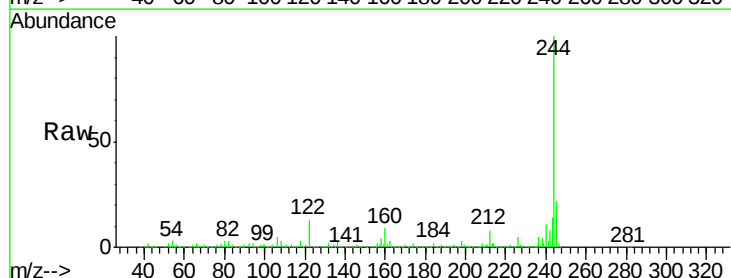
Manual Integrations
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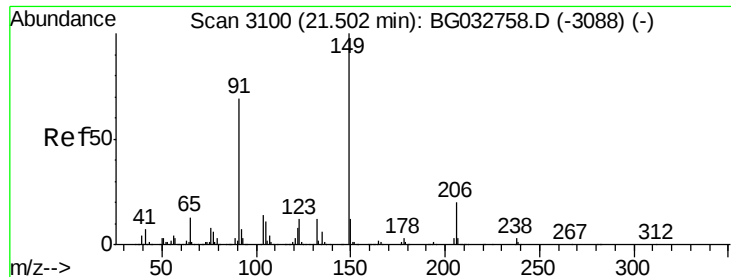
Sohil
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#78
Terphenyl-d14
Concen: 96.195 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	13.5	7.0	10.4





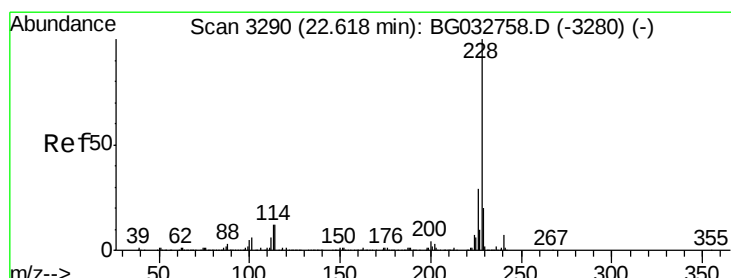
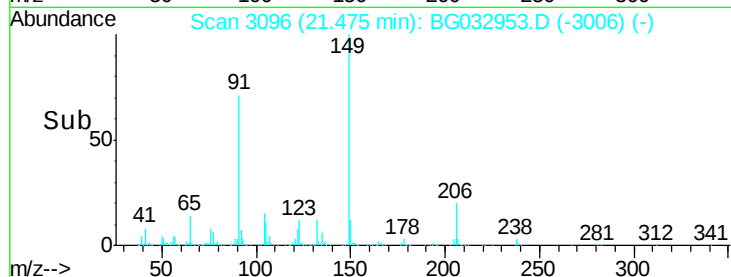
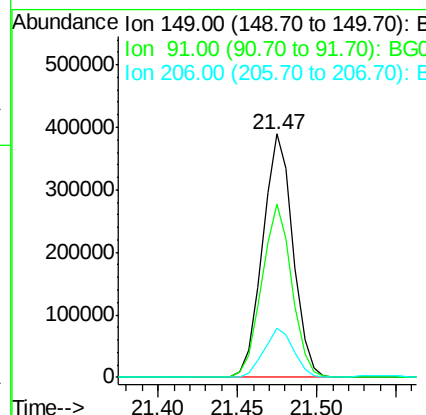
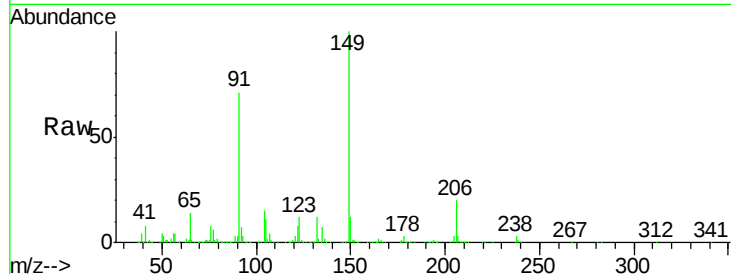
#79
Butylbenzylphthalate
Concen: 53.036 ng
RT: 21.47 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	518792		
91	71.2	62.2	93.2	
206	20.3	18.6	27.8	

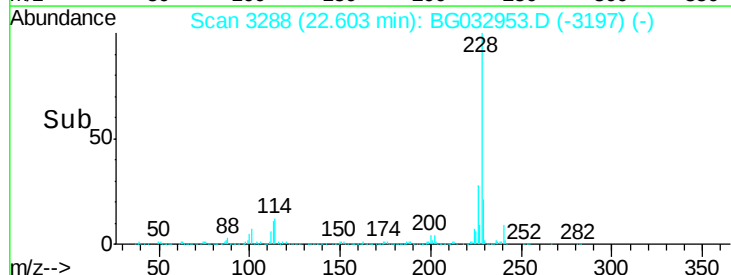
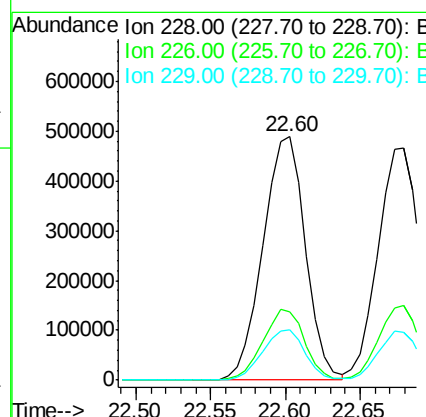
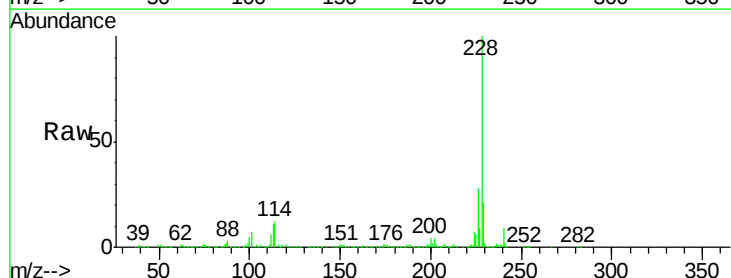
Manual Integrations
APPROVED

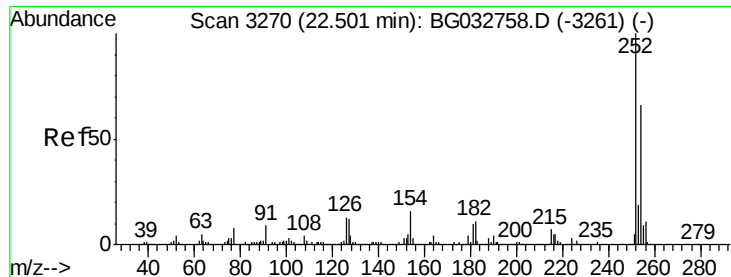
Sohil
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#80
Benzo(a)anthracene
Concen: 48.016 ng
RT: 22.60 min Scan# 3288
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	963282		
226	28.3	22.7	34.1	
229	20.5	16.2	24.2	





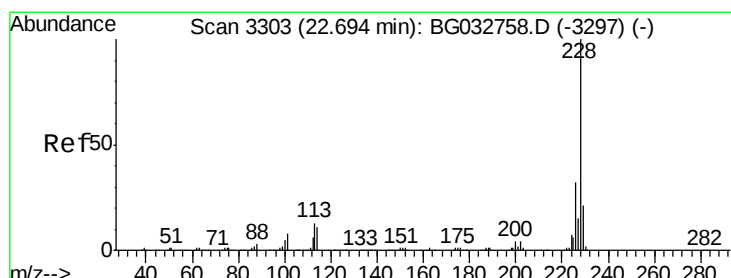
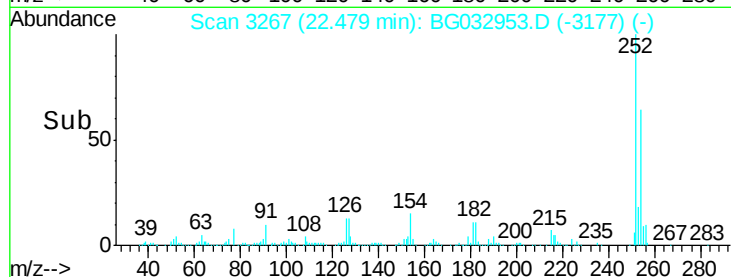
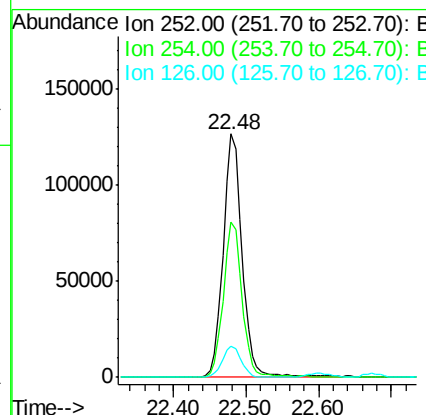
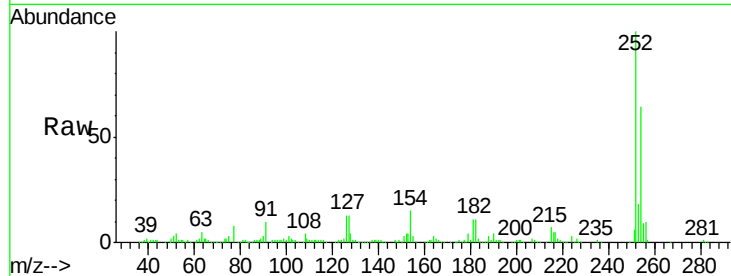
#81
 3,3'-Dichlorobenzidine
 Concen: 31.078 ng
 RT: 22.48 min Scan# 3267
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.8	76.2
126	13.0	7.4	11.2

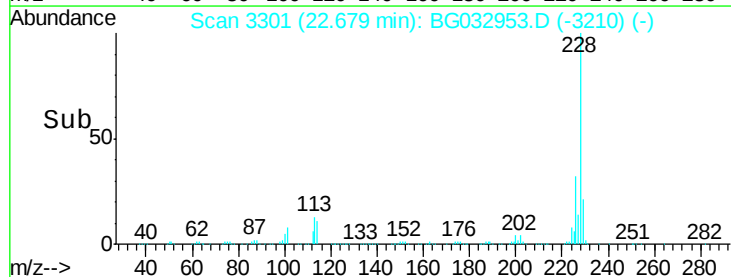
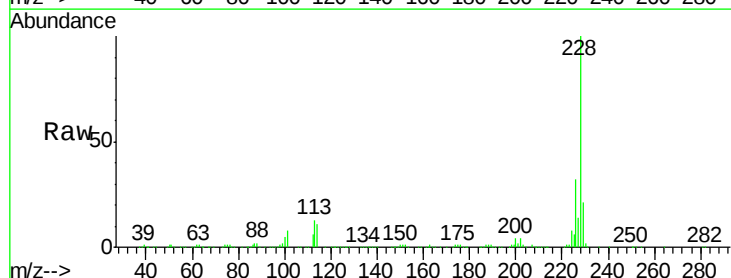
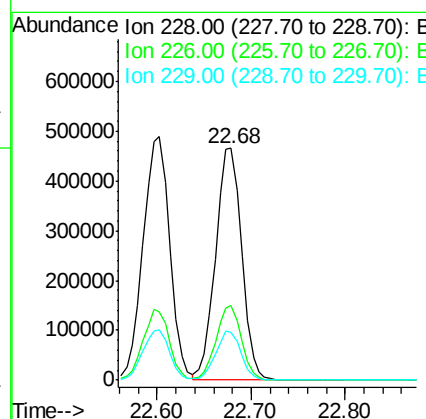
Manual Integrations
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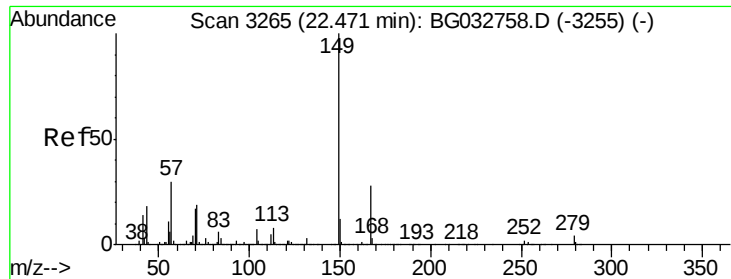
Sohil
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#82
 Chrysene
 Concen: 47.278 ng
 RT: 22.68 min Scan# 3301
 Delta R.T. 0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	20.8	15.0	22.4





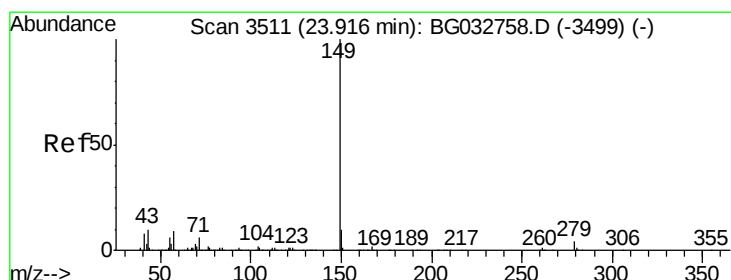
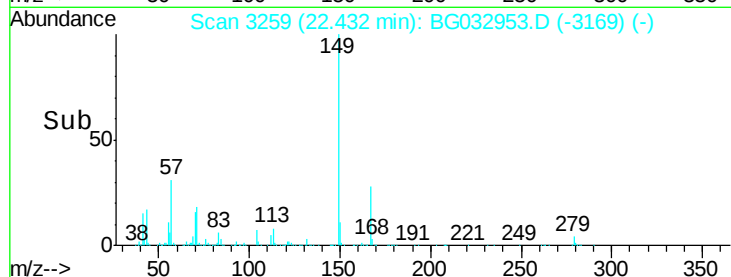
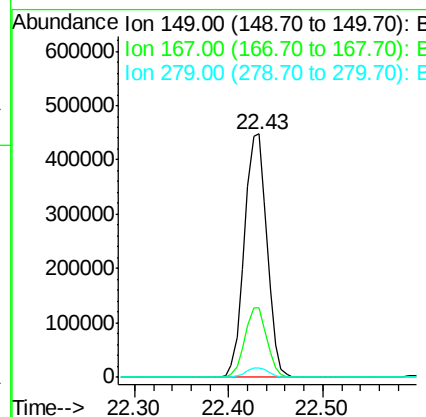
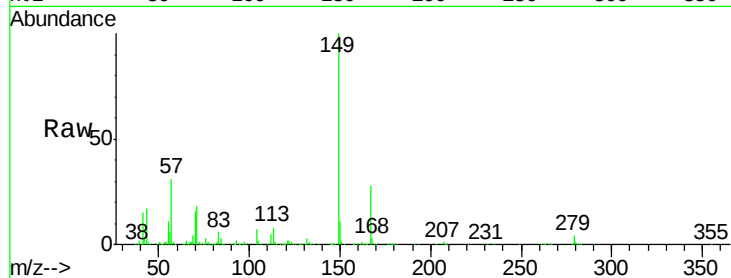
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.444 ng
 RT: 22.43 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	24.3	36.5
279	4.0	4.0	6.0

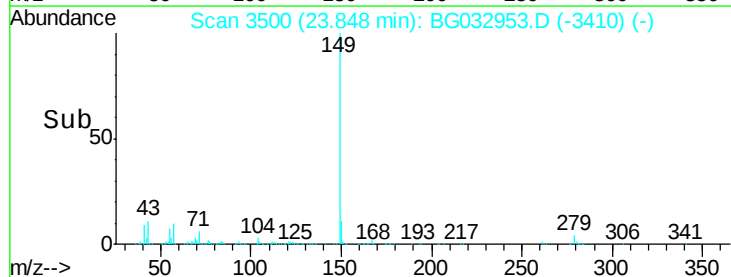
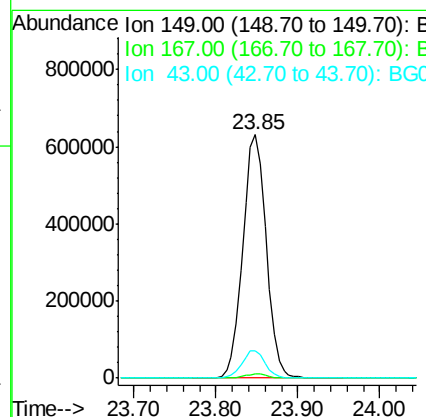
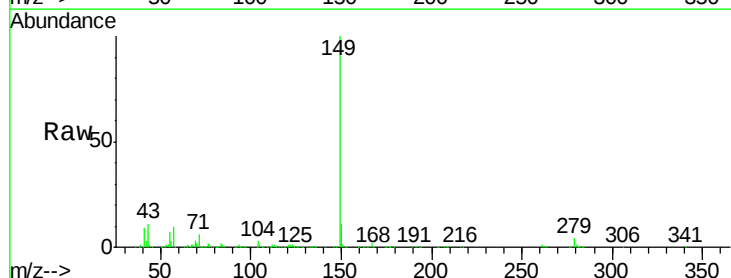
Manual Integrations
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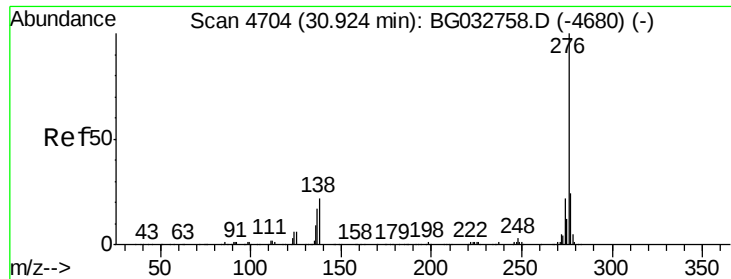
Sohil
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#84
 Di-n-octyl phthalate
 Concen: 57.048 ng
 RT: 23.85 min Scan# 3500
 Delta R.T. 0.00 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	11.1	8.9	13.3





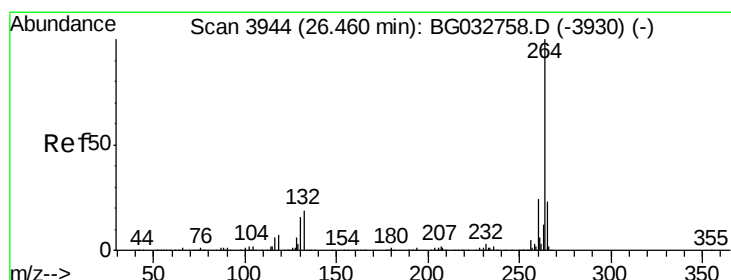
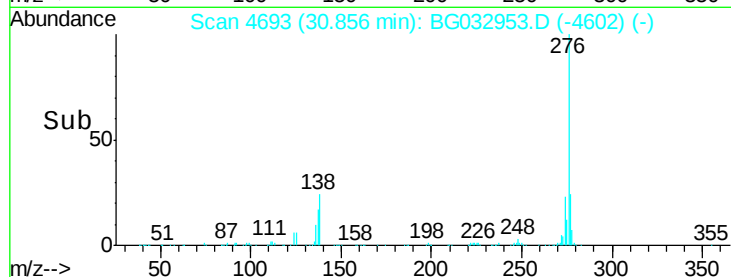
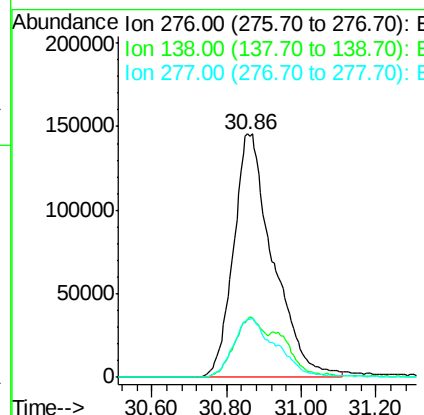
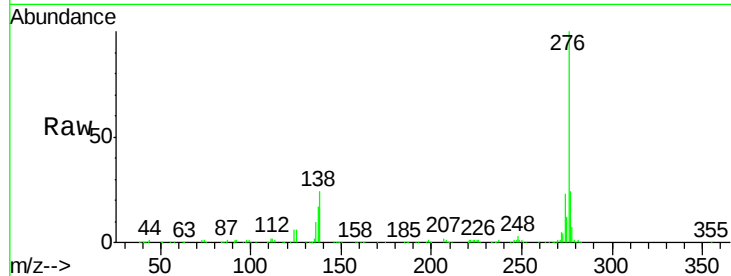
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.985 ng
RT: 30.86 min Scan# 4693
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	18.3	16.0	24.0	
277	26.0	20.0	30.0	

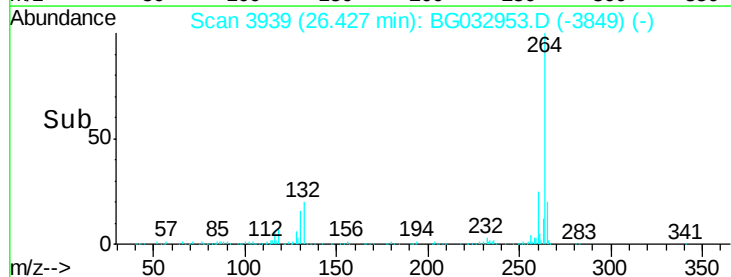
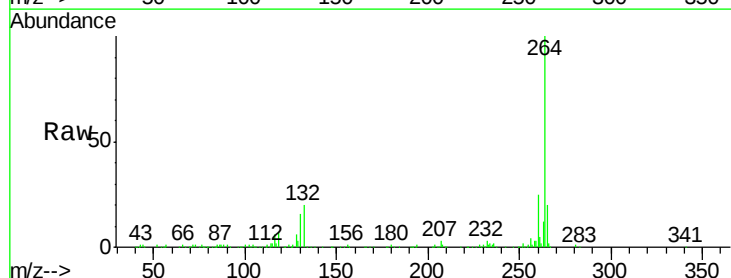
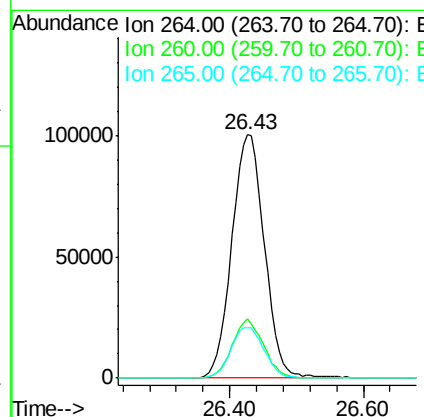
Manual Integrations
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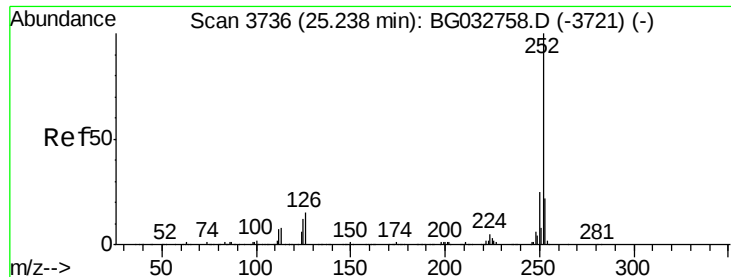
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3939
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.6	17.4	26.0	
265	20.5	17.7	26.5	





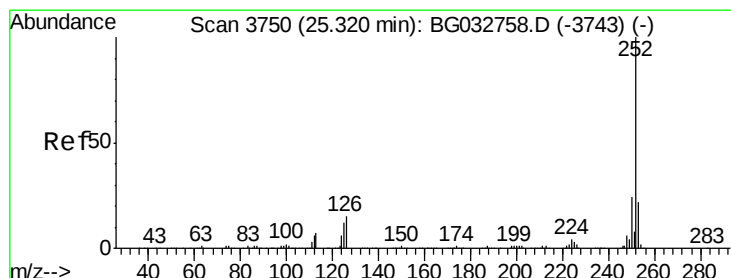
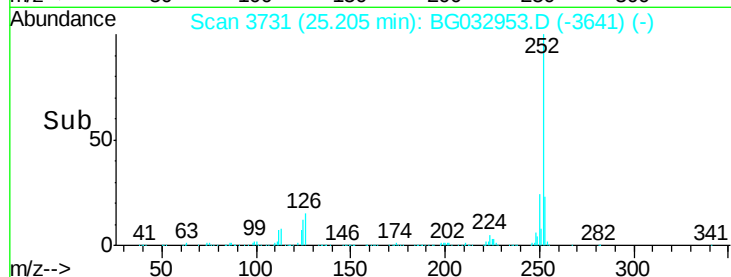
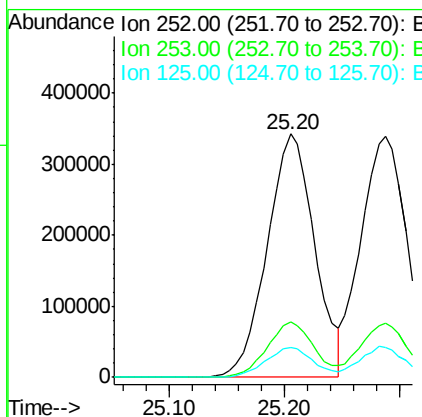
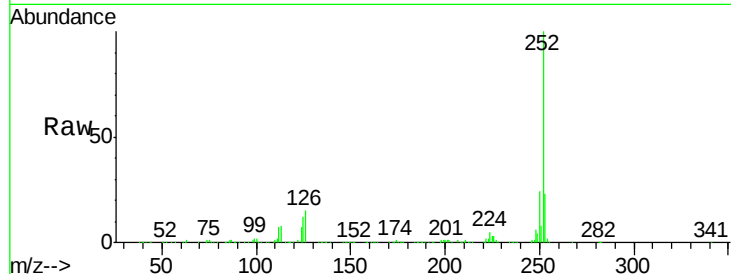
#87
Benzo(b)fluoranthene
Concen: 48.415 ng
RT: 25.20 min Scan# 3731
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.4	7.2	10.8

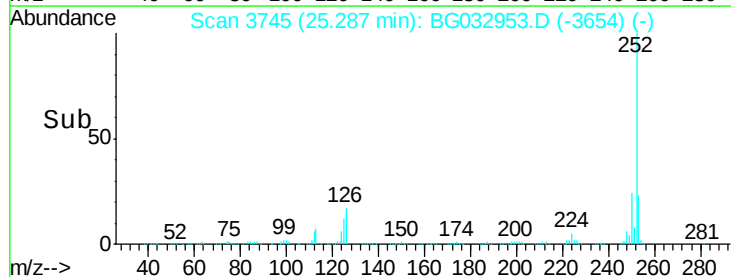
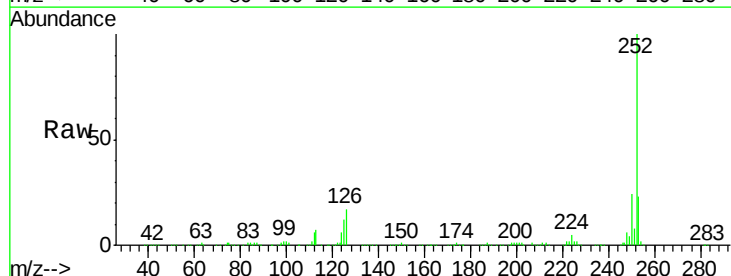
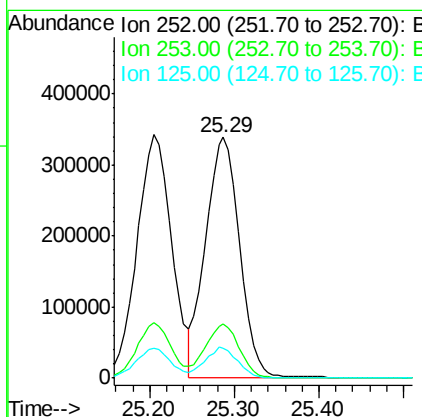
Manual Integrations
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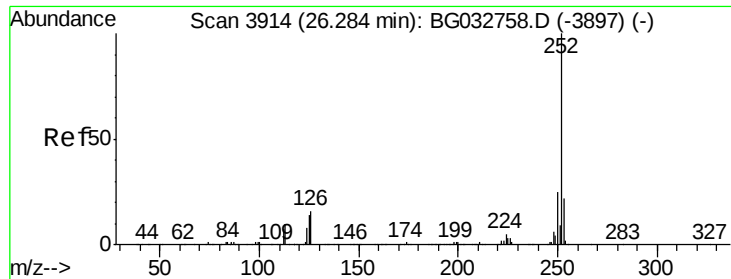
Sohil
3/5/2018 3:18:07 PM



#88
Benzo(k)fluoranthene
Concen: 47.143 ng
RT: 25.29 min Scan# 3745
Delta R.T. 0.01 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	12.2	6.6	9.8





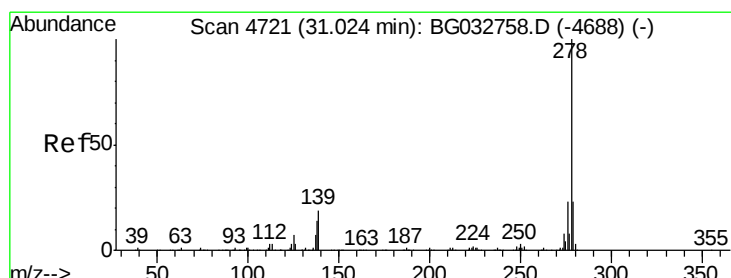
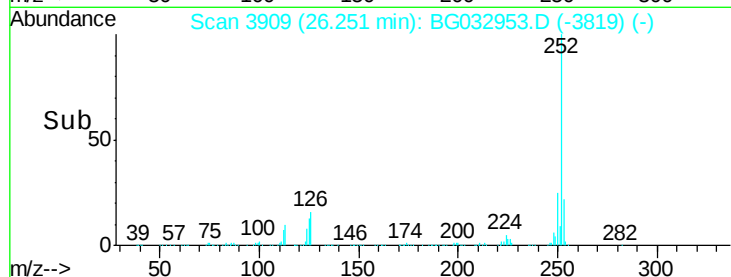
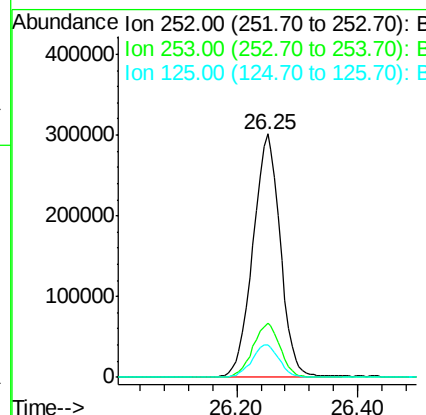
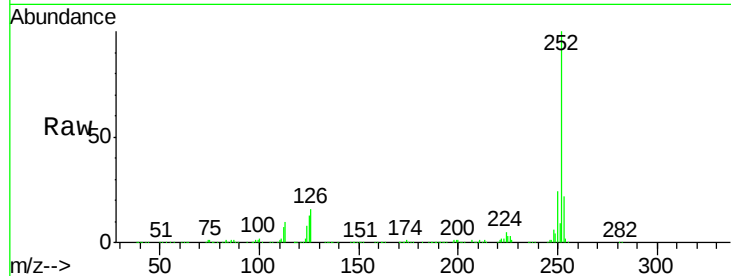
#89
Benzo(a)pyrene
Concen: 49.381 ng
RT: 26.25 min Scan# 3909
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Instrument :
BNA_G
ClientSampleId :
CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.3	27.5
125	13.2	7.3	10.9

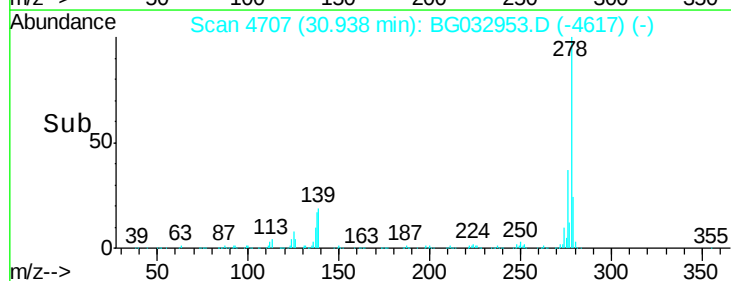
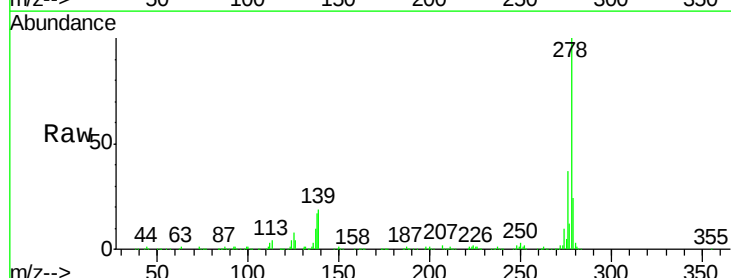
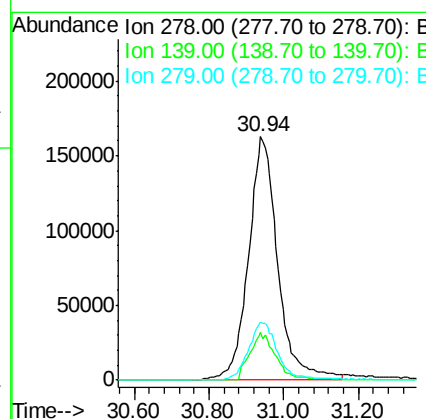
Manual Integrations
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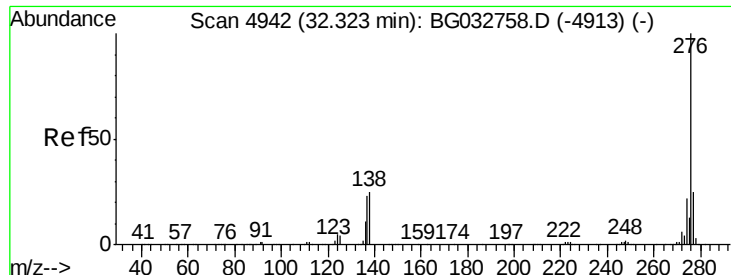
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 45.828 ng
RT: 30.94 min Scan# 4707
Delta R.T. 0.00 min
Lab File: BG032953.D
Acq: 2 Mar 2018 19:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	9.8	14.6
279	23.7	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 46.637 ng
 RT: 32.26 min Scan# 4932
 Delta R.T. 0.01 min
 Lab File: BG032953.D
 Acq: 2 Mar 2018 19:47

Instrument :
 BNA_G
 ClientSampleId :
 CLEAN-SAND-17MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.3	27.5
138	25.2	13.9	20.9

Manual Integrations
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