

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104596.D
 Acq On : 18 Apr 2018 12:51
 Operator : JU/SJ
 Sample : J2408-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Manual Integrations
 APPROVED

Sohil
 4/19/2018 12:42:53 PM

Quant Time: Apr 18 15:09:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129442	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	542054	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	242504	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	421915	20.00	ng	0.00
75) Chrysene-d12	13.98	240	265229	20.00	ng	0.00
86) Perylene-d12	15.44	264	244597	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	923676	109.11	ng	0.01
7) Phenol-d6	6.45	99	1145284	110.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	727770	87.67	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	286492	113.89	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1248271	81.32	ng	0.00
78) Terphenyl-d14	12.92	244	1102874	94.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	129068	32.721	ng	# 88
3) Pyridine	3.30	79	348976	31.467	ng	# 87
4) n-Nitrosodimethylamine	3.26	42	144313	37.225	ng	79
6) Aniline	6.47	93	243880	16.877	ng	99
8) 2-Chlorophenol	6.59	128	352229	39.421	ng	95
9) Benzaldehyde	6.36	77	213182	40.777	ng	96
10) Phenol	6.46	94	428232	38.803	ng	93
11) bis(2-Chloroethyl)ether	6.55	93	330117	37.484	ng	95
12) 1,3-Dichlorobenzene	6.75	146	363182	35.879	ng	99
13) 1,4-Dichlorobenzene	6.82	146	369919	36.661	ng	99
14) 1,2-Dichlorobenzene	6.97	146	343556	36.741	ng	100
15) Benzyl Alcohol	6.95	79	284118	35.964	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.08	45	428603	36.238	ng	91
17) 2-Methylphenol	7.06	107	287314	36.992	ng	98
18) Hexachloroethane	7.32	117	135544	37.676	ng	99
19) n-Nitroso-di-n-propylamine	7.22	70	225901	33.236	ng	92
20) 3+4-Methylphenols	7.22	107	336722	34.956	ng	# 64
22) Acetophenone	7.22	105	456466	34.205	ng	# 97
24) Nitrobenzene	7.39	77	361891	39.486	ng	95
25) Isophorone	7.63	82	649930	37.024	ng	99
26) 2-Nitrophenol	7.70	139	190946	51.176	ng	95
27) 2,4-Dimethylphenol	7.75	122	292702	37.782	ng	100
28) bis(2-Chloroethoxy)methane	7.84	93	425185	39.616	ng	98
29) 2,4-Dichlorophenol	7.95	162	287589	38.906	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	291984	35.992	ng	99
31) Naphthalene	8.11	128	983756	36.447	ng	100
32) Benzoic acid	7.83	122	53151	8.599	ng	97
33) 4-Chloroaniline	8.16	127	88012	7.611	ng	96
34) Hexachlorobutadiene	8.22	225	157970	35.551	ng	98
35) Caprolactam	8.53	113	87434m	33.906	ng	
36) 4-Chloro-3-methylphenol	8.65	107	299270	37.757	ng	97
37) 2-Methylnaphthalene	8.80	142	650312	37.247	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	271385	39.094	ng	99
40) Hexachlorocyclopentadiene	8.95	237	249548	64.212	ng	97

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Manual Integrations
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Sohil
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Quant Time: Apr 18 15:09:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	190468	39.525	nq	100
43) 2,4,5-Trichlorophenol	9.12	196	199815	37.054	nq	98
45) 1,1'-Biphenyl	9.27	154	749803	36.806	nq	99
46) 2-Chloronaphthalene	9.29	162	602036	37.414	nq	99
47) 2-Nitroaniline	9.39	65	181313	45.563	nq	91
48) Acenaphthylene	9.71	152	904674	35.833	nq	99
49) Dimethylphthalate	9.57	163	807549	42.228	nq	100
50) 2,6-Dinitrotoluene	9.63	165	153712	43.439	nq	94
51) Acenaphthene	9.88	154	528979	34.340	nq	100
52) 3-Nitroaniline	9.80	138	69130	16.688	nq	98
53) 2,4-Dinitrophenol	9.91	184	96690	70.231	nq #	20
54) Dibenzofuran	10.05	168	790691	36.833	nq	98
55) 4-Nitrophenol	9.97	139	241543	74.226	nq	99
56) 2,4-Dinitrotoluene	10.04	165	202071	43.535	nq	91
57) Fluorene	10.39	166	609601	39.014	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.17	232	155546	38.663	nq	96
59) Diethylphthalate	10.27	149	672693	35.320	nq	98
60) 4-Chlorophenyl-phenylether	10.39	204	276560	39.743	nq	97
61) 4-Nitroaniline	10.42	138	157956	38.996	nq	98
62) Azobenzene	10.55	77	643427	35.361	nq	96
64) 4,6-Dinitro-2-methylphenol	10.45	198	88343	43.760	nq	82
65) n-Nitrosodiphenylamine	10.50	169	553843	37.860	nq	100
66) 4-Bromophenyl-phenylether	10.87	248	173914	38.752	nq	96
67) Hexachlorobenzene	10.94	284	191702	37.963	nq	94
68) Atrazine	11.03	200	173123	39.207	nq	99
69) Pentachlorophenol	11.14	266	175109	56.052	nq	97
70) Phenanthrene	11.36	178	860219	36.611	nq	99
71) Anthracene	11.41	178	884414	37.029	nq	100
72) Carbazole	11.57	167	788606	33.789	nq	100
73) Di-n-butylphthalate	11.89	149	1007547	35.340	nq	99
74) Fluoranthene	12.55	202	827214	33.696	nq	100
76) Benzidine	12.67	184	270401	27.208	nq	98
77) Pyrene	12.77	202	812105	41.308	nq	99
79) Butylbenzylphthalate	13.39	149	367724	39.703	nq	98
80) Benzo(a)anthracene	13.97	228	620316	39.149	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	127357	21.557	nq	98
82) Chrysene	14.00	228	591494	36.343	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	491647	41.269	nq	100
84) Di-n-octyl phthalate	14.57	149	751134	37.734	nq #	95
85) Indeno(1,2,3-cd)pyrene	16.89	276	700806	50.689	nq	98
87) Benzo(b)fluoranthene	15.02	252	548584	35.511	nq	99
88) Benzo(k)fluoranthene	15.04	252	541209	37.108	nq	98
89) Benzo(a)pyrene	15.38	252	540318	39.090	nq	99
90) Dibenzo(a,h)anthracene	16.91	278	582475	51.309	nq	98
91) Benzo(g,h,i)perylene	17.33	276	606462	55.140	nq	97

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

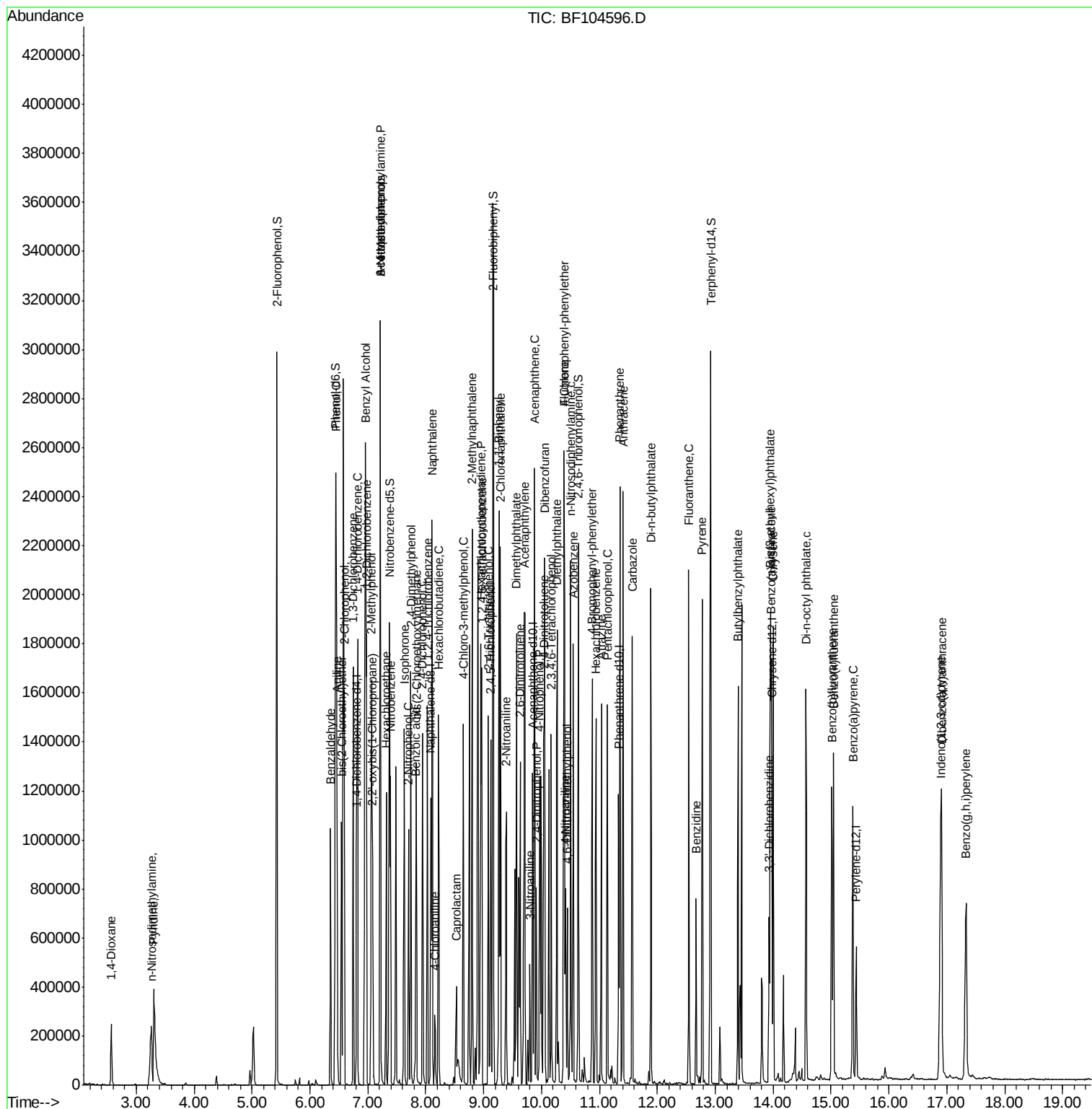
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#1

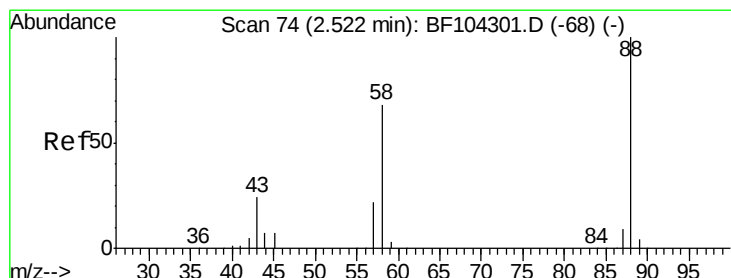
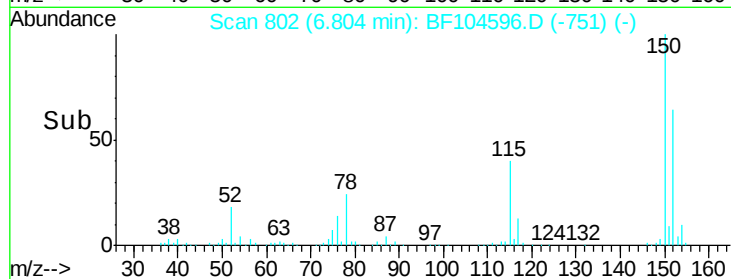
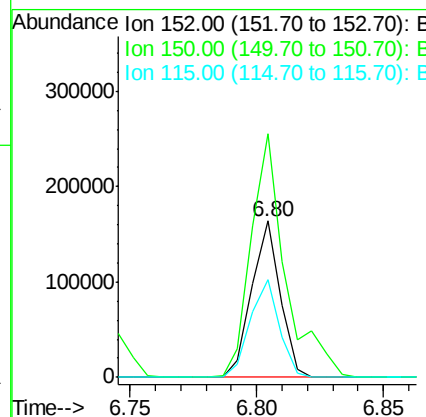
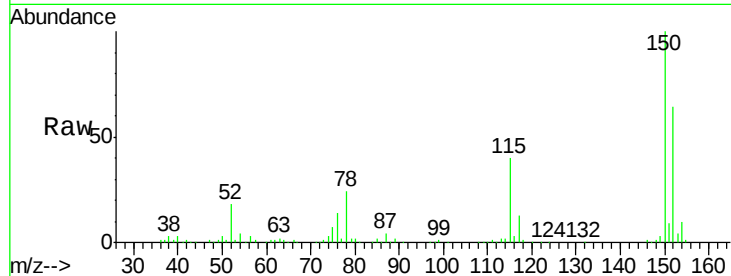
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	62.6	50.1	75.1

Manual Integrations
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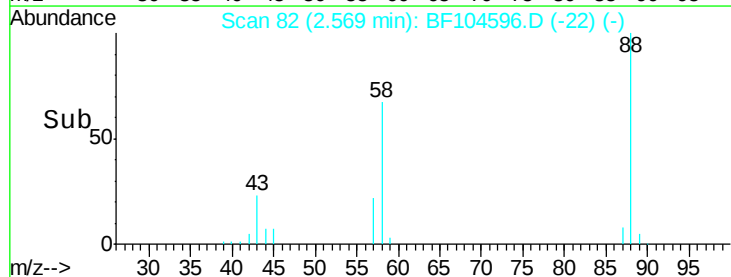
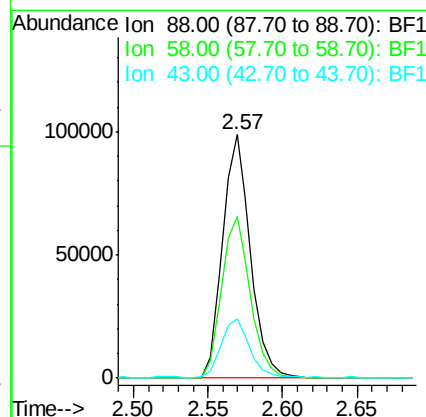
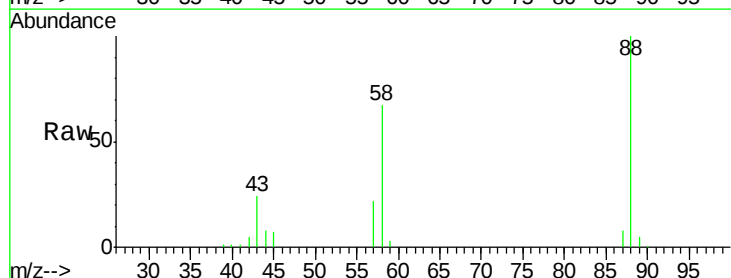
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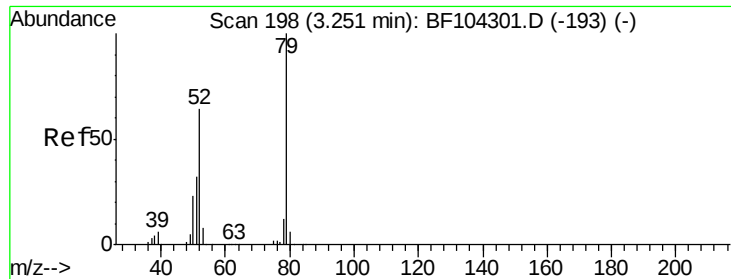


#2

1,4-Dioxane
Concen: 32.721 ng
RT: 2.57 min Scan# 82
Delta R.T. 0.05 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.2	62.6	93.8
43	24.2	24.6	37.0





#3

Pvridine

Concen: 31.467 ng

RT: 3.30 min Scan# 207

Delta R.T. 0.05 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

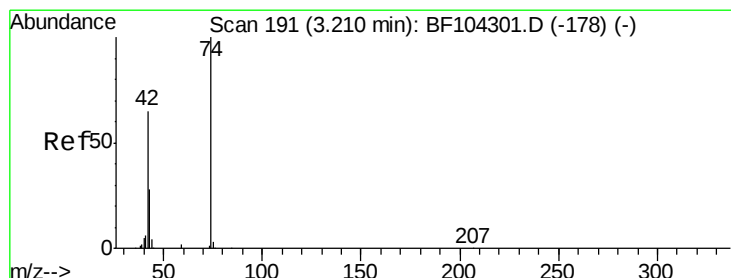
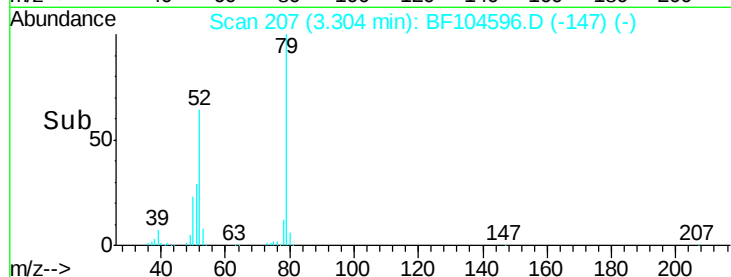
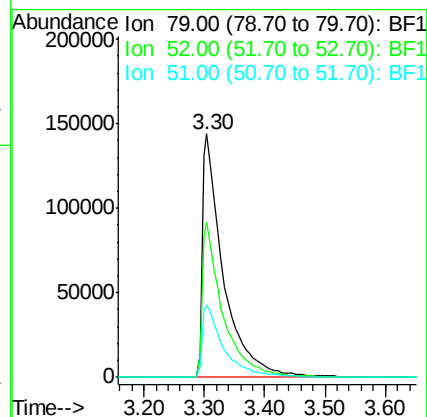
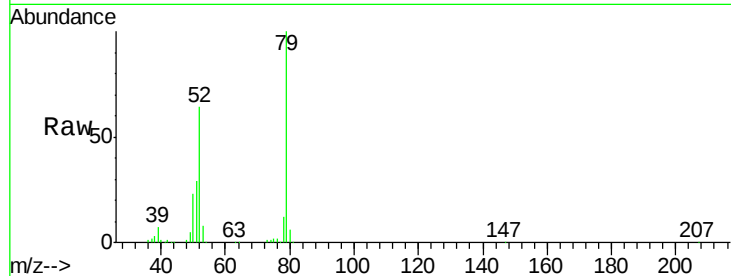
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	79	Resp:	348976
Ion Ratio	Lower	Upper	
79	100		
52	63.7	59.8	89.6
51	29.4	29.8	44.8#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 37.225 ng

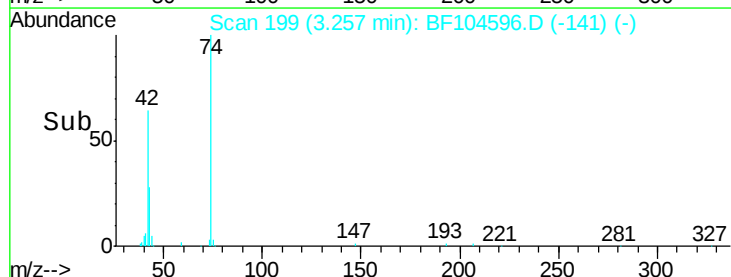
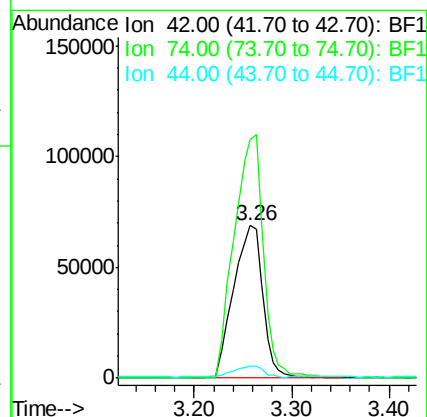
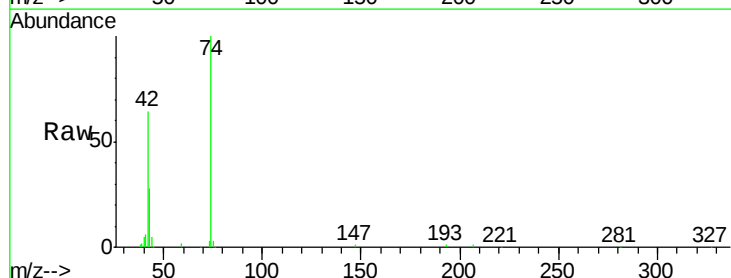
RT: 3.26 min Scan# 199

Delta R.T. 0.04 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	42	Resp:	144313
Ion Ratio	Lower	Upper	
42	100		
74	156.9	104.9	157.3
44	8.0	6.9	10.3





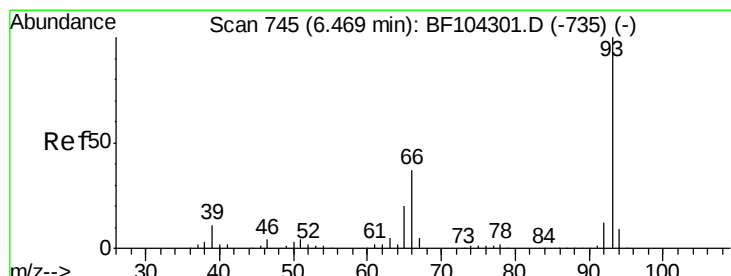
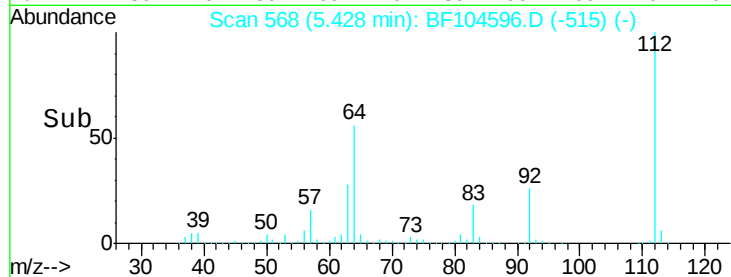
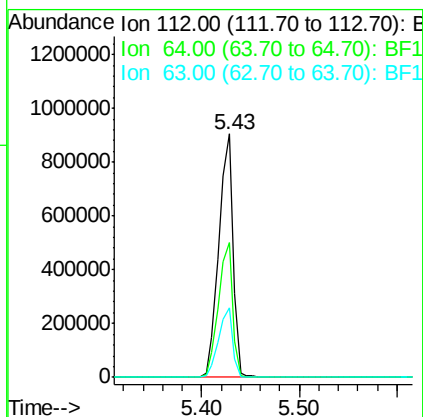
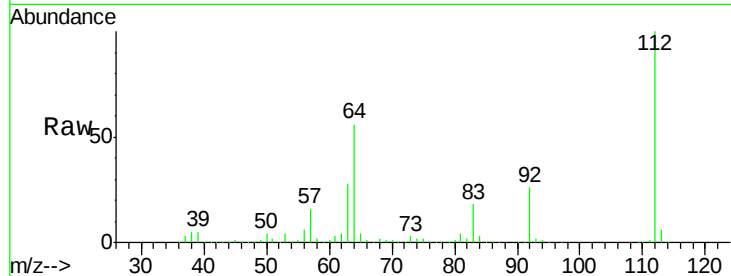
#5
2-Fluorophenol
Concen: 109.111 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	55.5	47.9	71.9
63	28.3	23.7	35.5

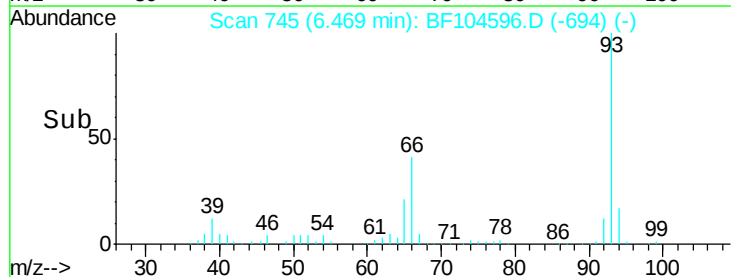
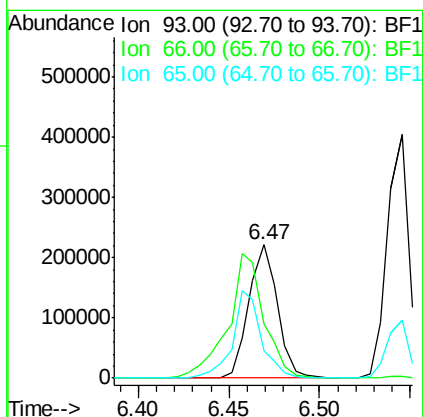
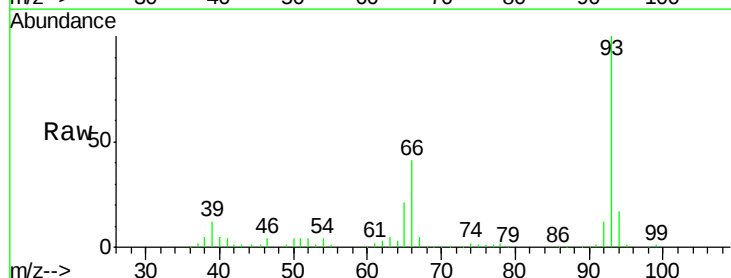
Manual Integrations
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#6
Aniline
Concen: 16.877 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	40.7	32.2	48.2
65	20.9	16.4	24.6





#7

Phenol-d6

Concen: 110.109 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

ClientSampleId :

NAA-WS-006MSD

Tot Ion: 99 Resp: 1145284

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

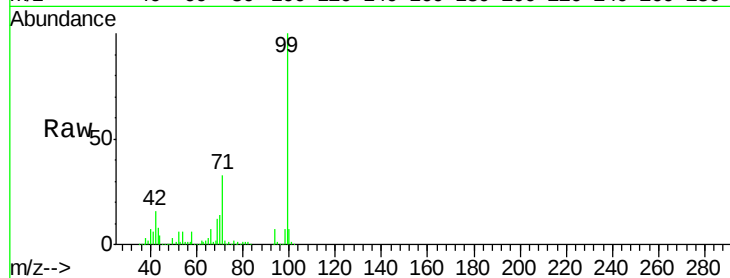
71 33.2 25.4 38.0

Manual Integrations

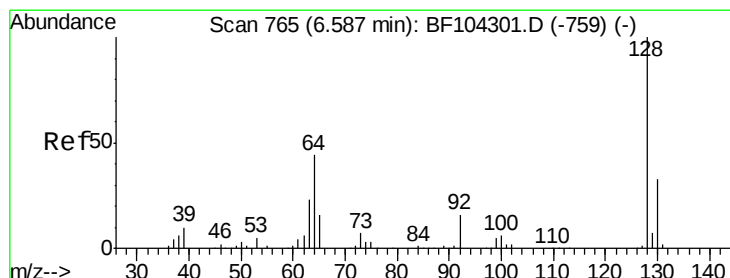
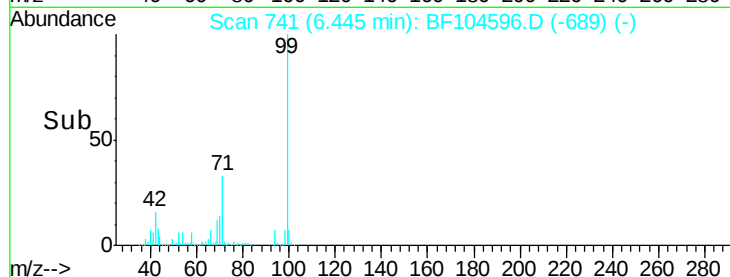
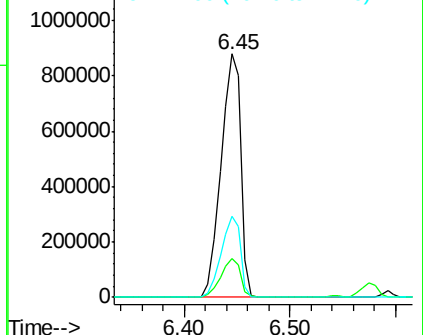
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.421 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

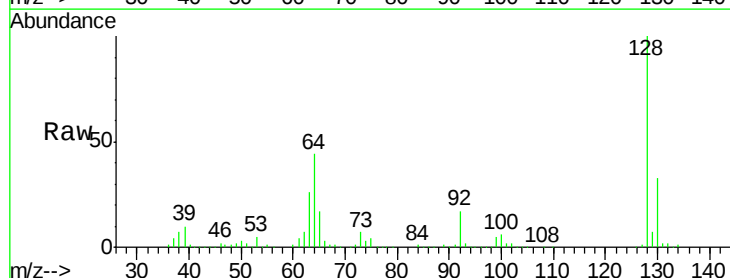
Tgt Ion: 128 Resp: 352229

Ion Ratio Lower Upper

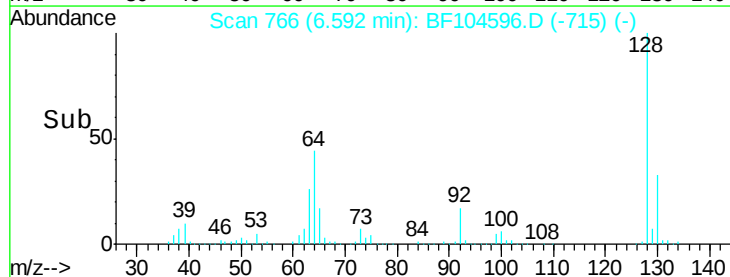
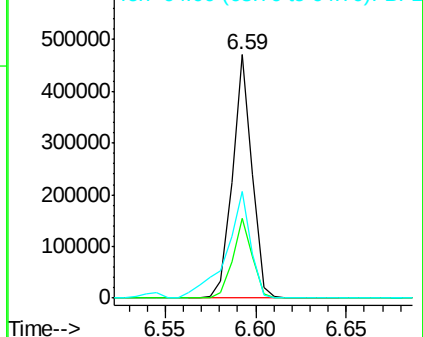
128 100

130 32.6 13.0 53.0

64 44.0 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





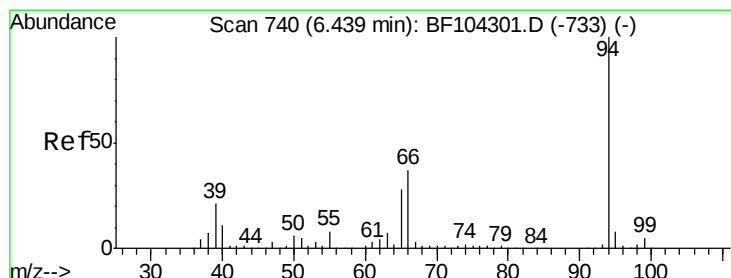
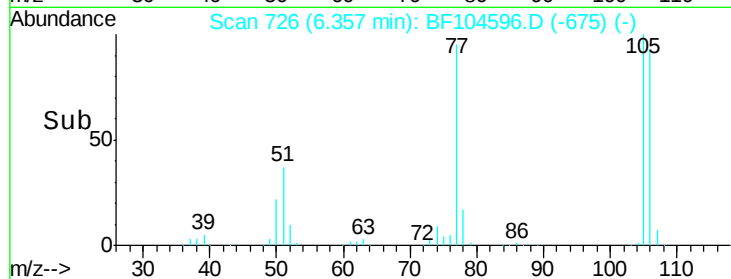
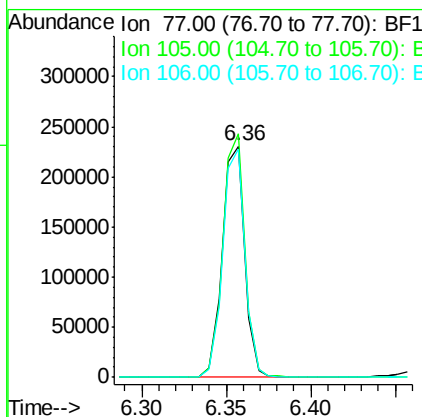
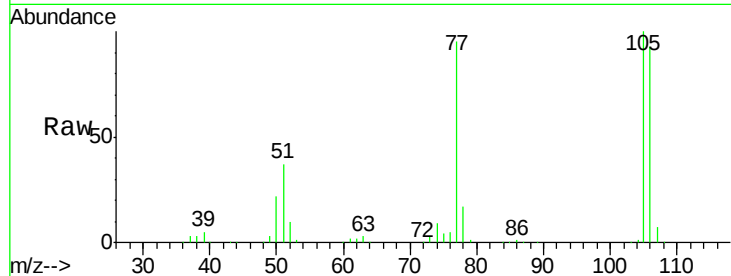
#9
Benzaldehyde
Concen: 40.777 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	105.3	81.1	121.1
106	98.4	74.5	114.5

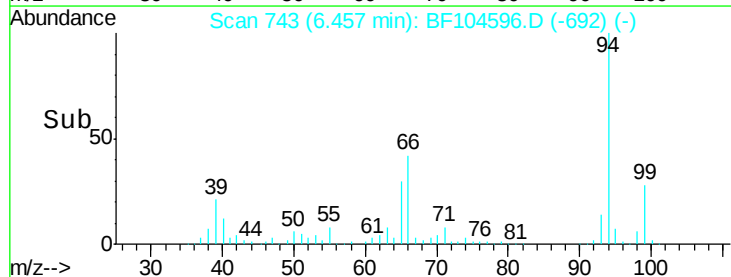
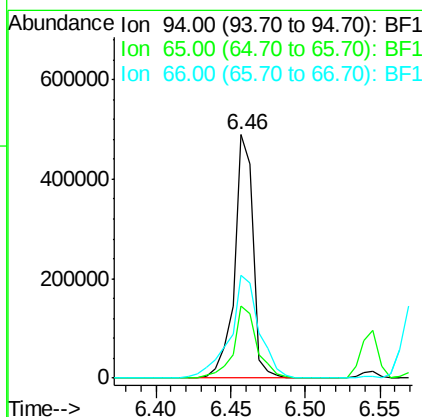
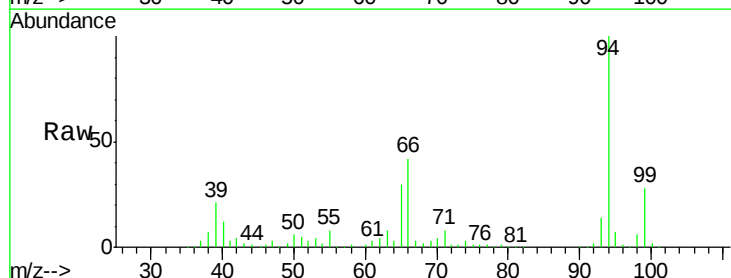
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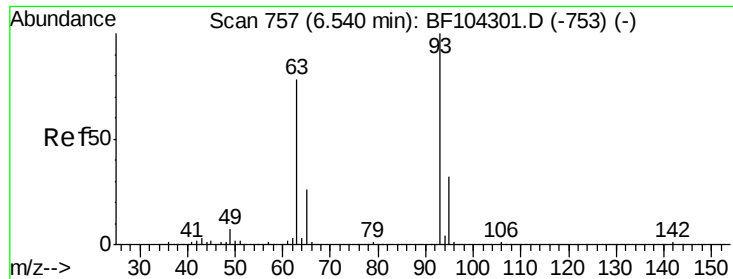
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#10
Phenol
Concen: 38.803 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.6	7.9	47.9
66	42.4	16.2	56.2





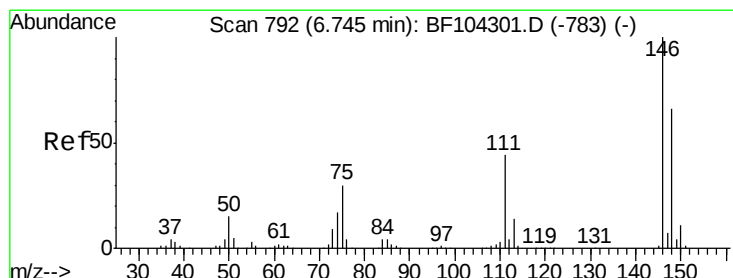
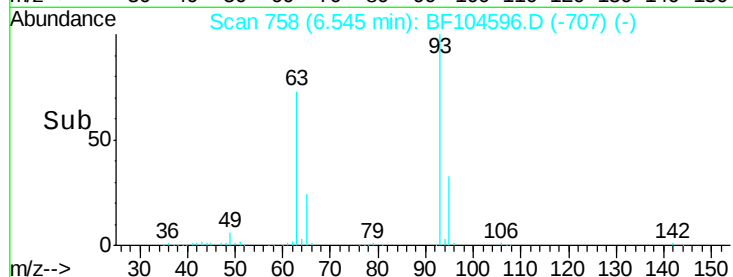
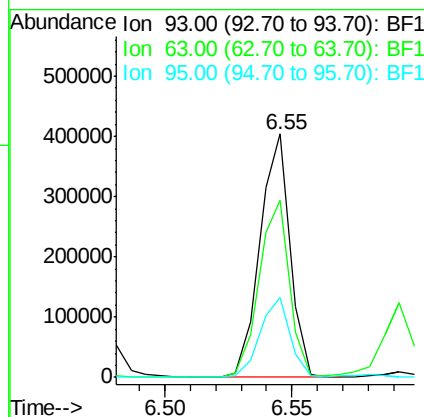
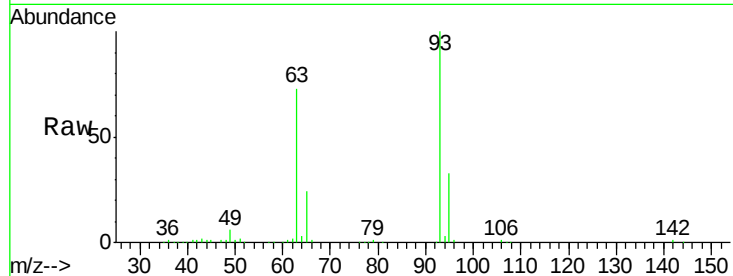
#11
bis(2-Chloroethyl)ether
Concen: 37.484 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion:	93	Resp:	330117
Ion Ratio	Lower	Upper	
93	100		
63	72.9	58.6	98.6
95	32.8	11.8	51.8

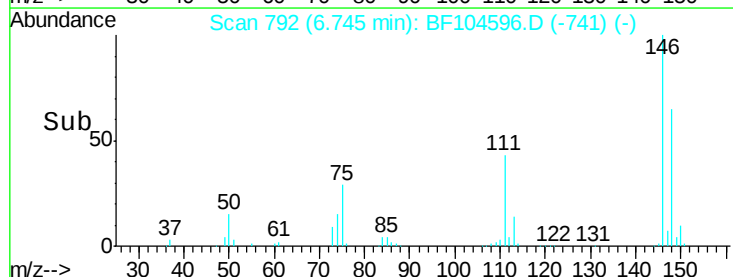
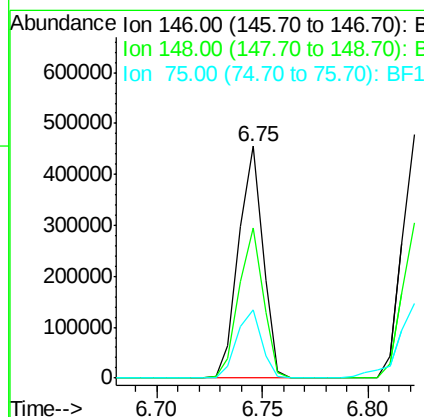
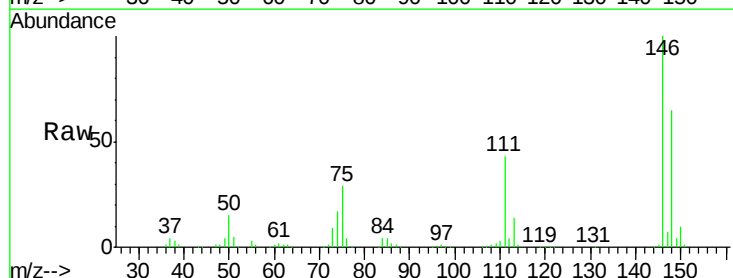
Manual Integrations
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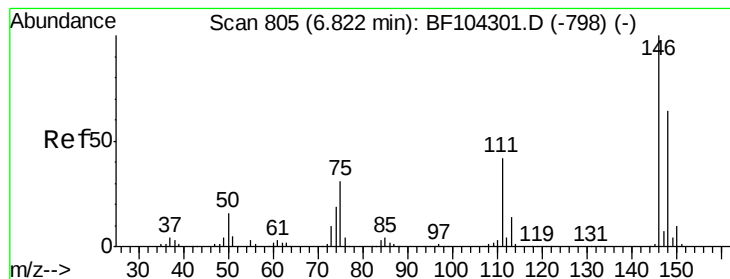
Sohil
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#12
1,3-Dichlorobenzene
Concen: 35.879 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion:	146	Resp:	363182
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.8	77.8
75	29.2	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 36.661 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

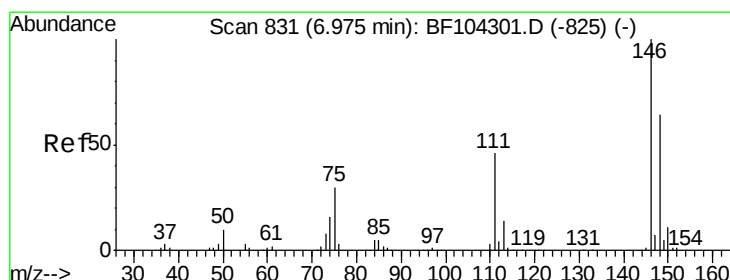
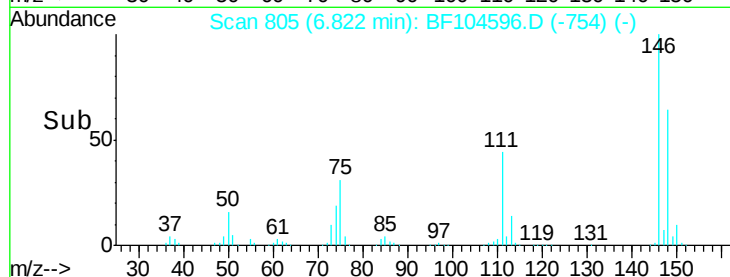
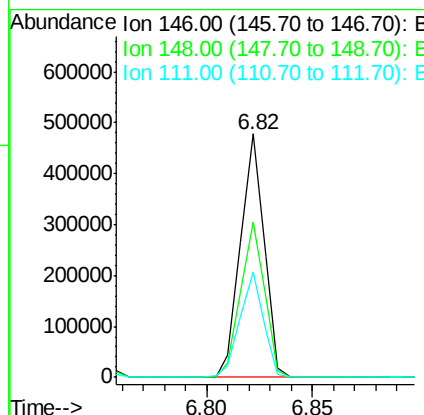
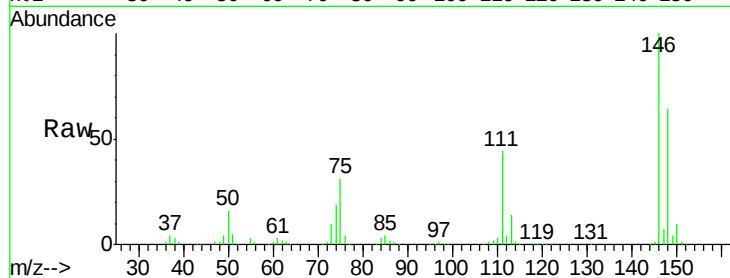
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	146	Resp:	369919
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.8	76.2
111	43.5	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 36.741 ng

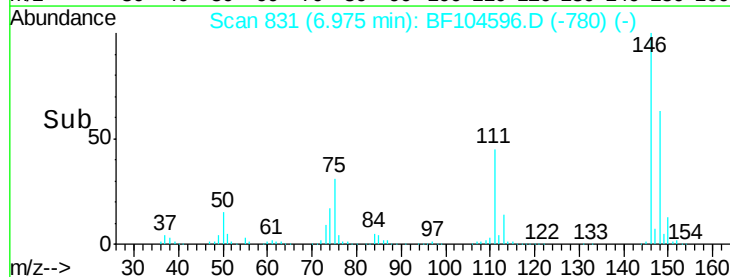
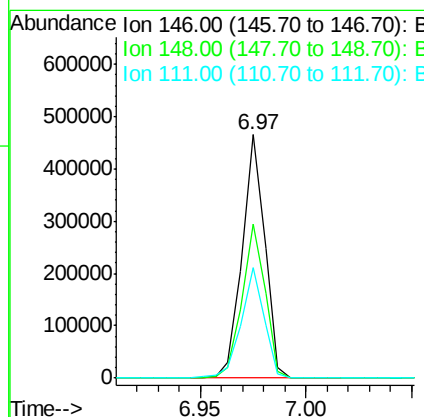
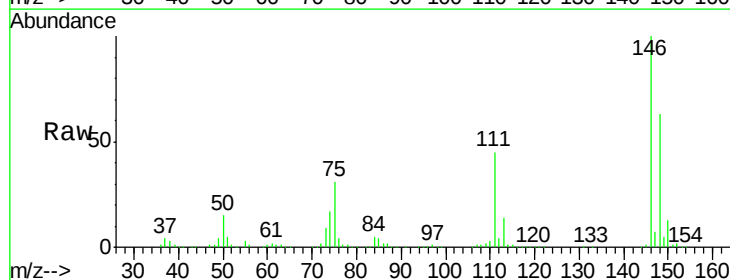
RT: 6.97 min Scan# 831

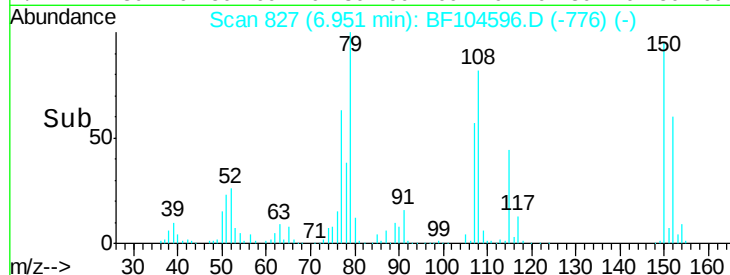
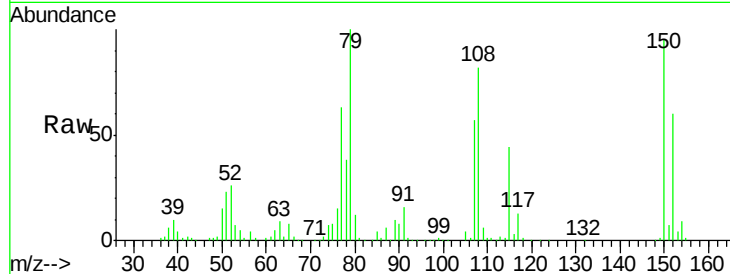
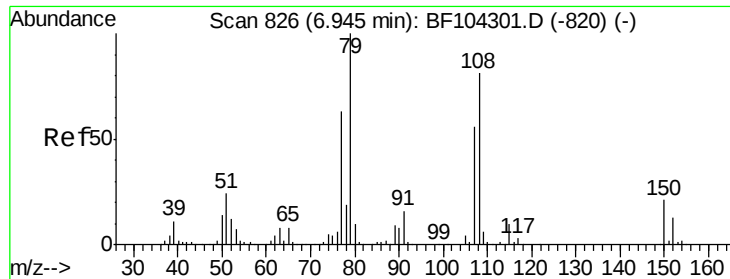
Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	146	Resp:	343556
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.6	75.8
111	45.2	36.0	54.0





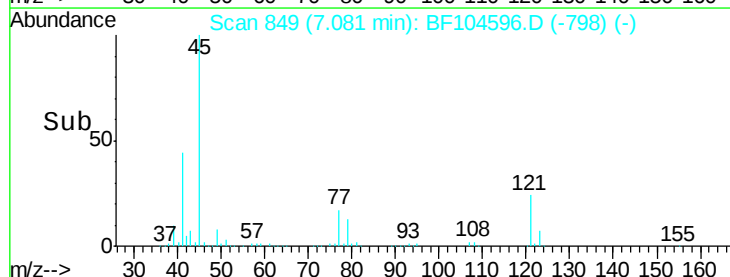
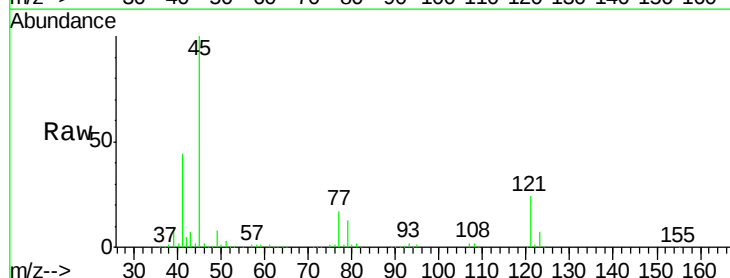
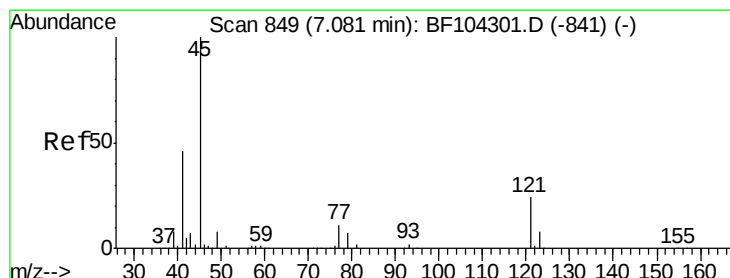
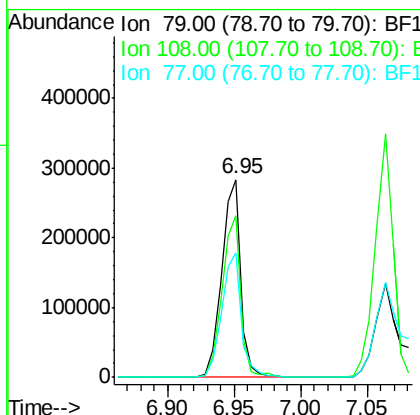
#15
Benzyl Alcohol
Concen: 35.964 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tot Ion	Ratio	Resp	Lower	Upper
79	100	284118		
108	81.7	65.1	97.7	
77	62.7	50.6	75.8	

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

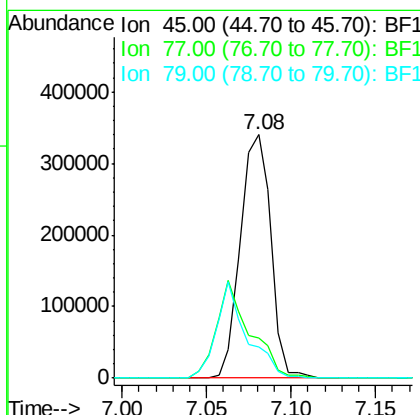
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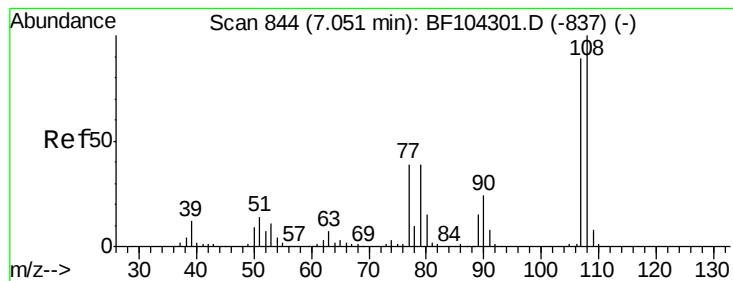
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.238 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	428603		
77	16.6	0.0	32.9	
79	12.6	0.0	29.6	





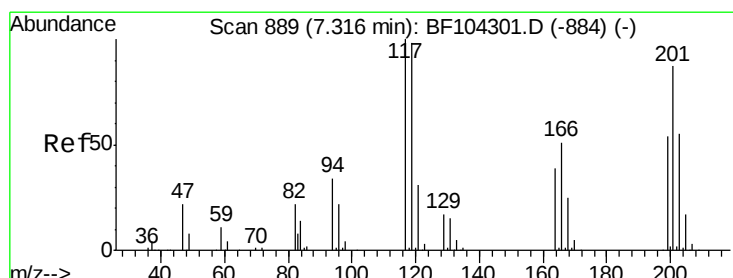
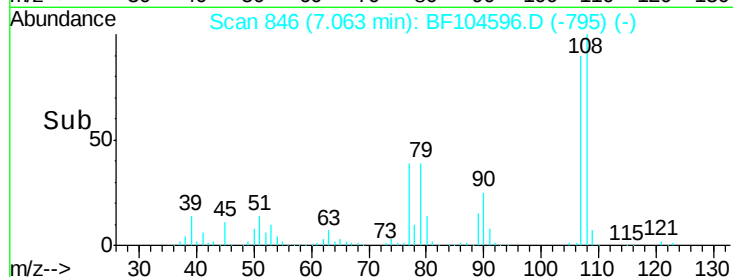
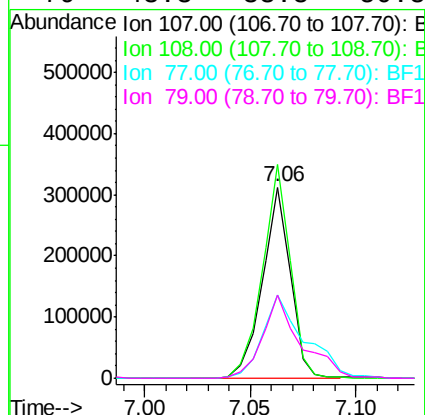
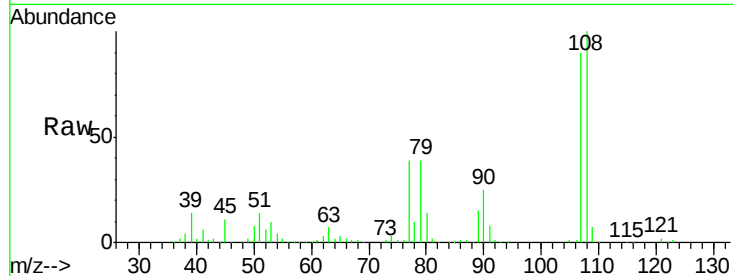
#17
2-Methylphenol
Concen: 36.992 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107.00	100	287314		
108	108.00	111.7		91.7	137.5
77	77.00	43.7		33.8	50.8
79	79.00	43.3		33.8	50.8

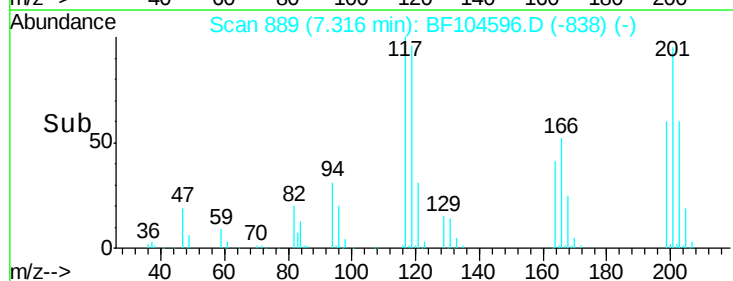
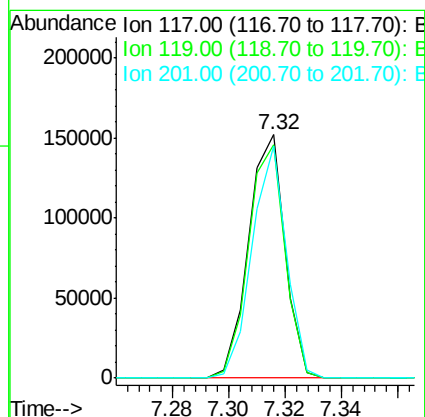
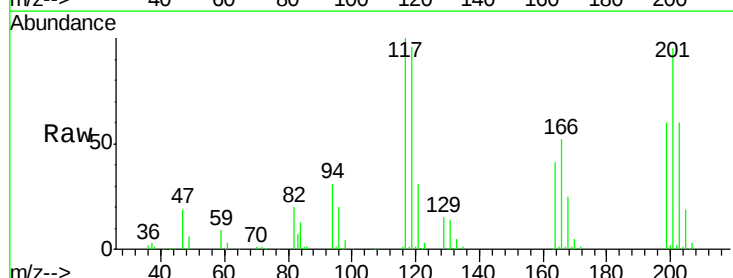
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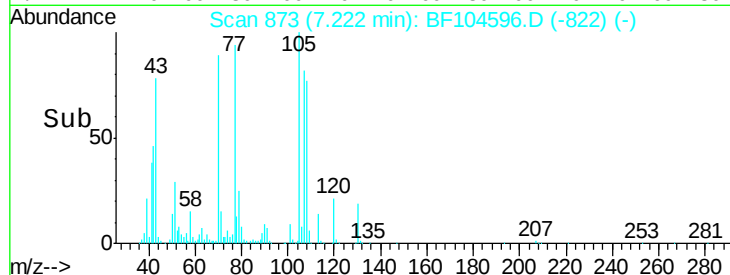
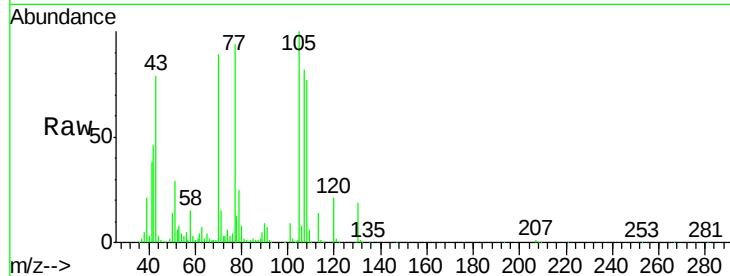
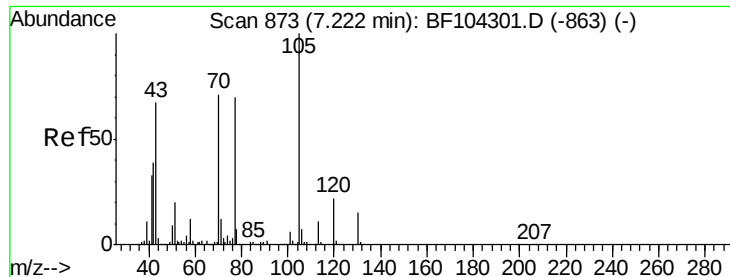
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#18
Hexachloroethane
Concen: 37.676 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117.00	100	135544		
119	119.00	95.8		75.8	113.8
201	201.00	95.3		75.7	113.5





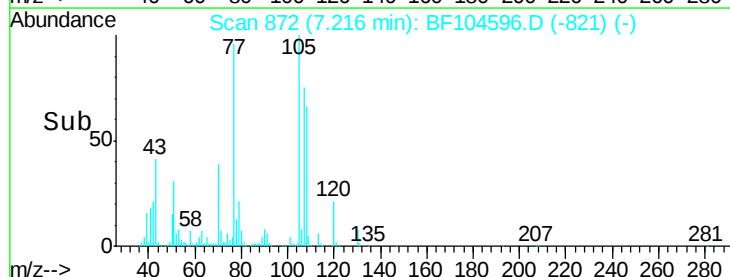
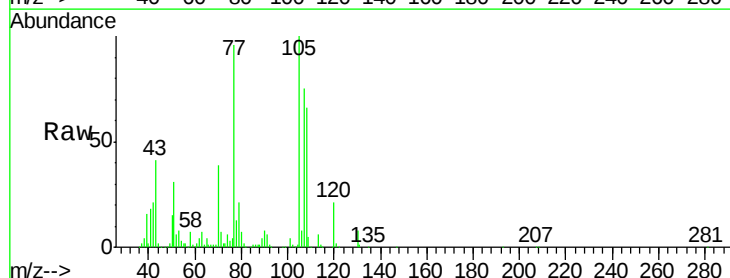
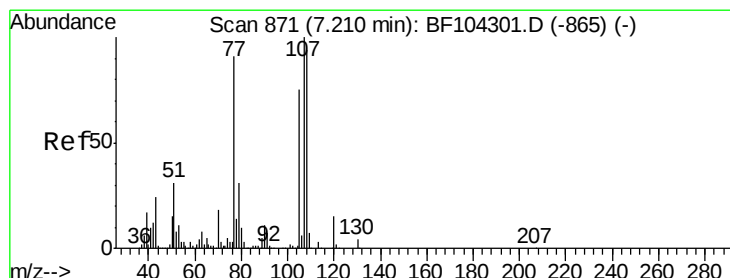
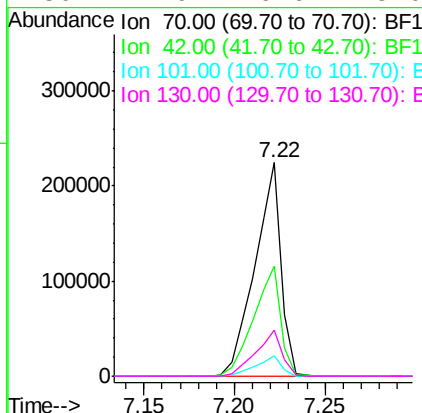
#19
n-Nitroso-di-n-propylamine
Concen: 33.236 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		225901		
42	51.6	47.5	71.3		
101	9.9	7.4	11.2		
130	21.9	16.6	25.0		

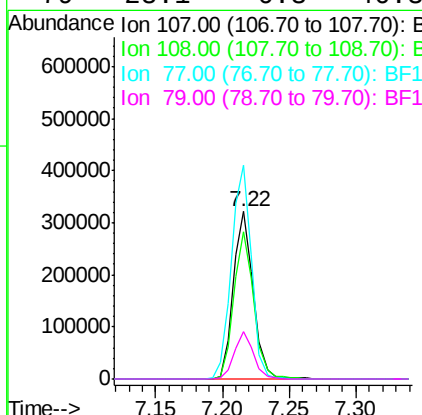
Manual Integrations
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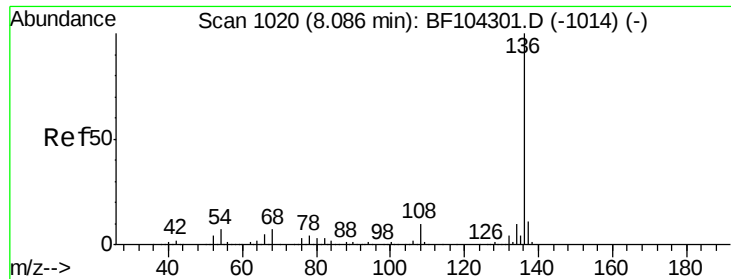
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#20
3+4-Methylphenols
Concen: 34.956 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		336722		
108	88.3	68.2	108.2		
77	127.6	26.7	66.7#		
79	28.1	6.3	46.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

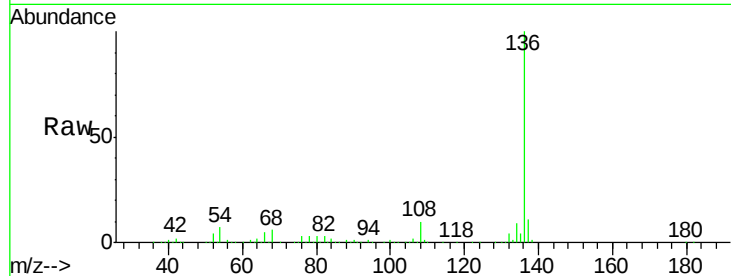
ClientSampleId :

NAA-WS-006MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		542054		
137	11.3		8.9	13.3	
54	7.3		6.6	9.8	
68	6.4		5.0	7.4	

Manual Integrations
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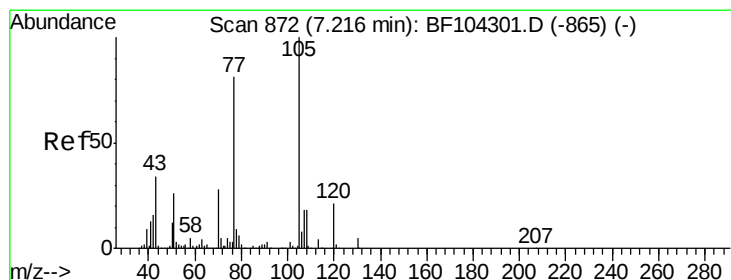
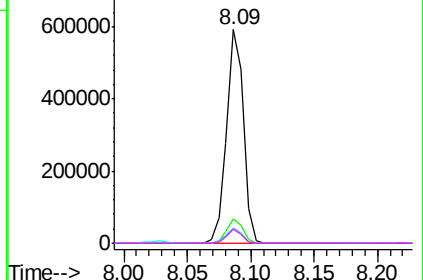
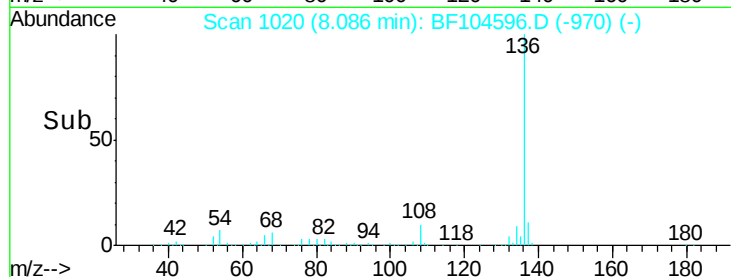


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 34.205 ng

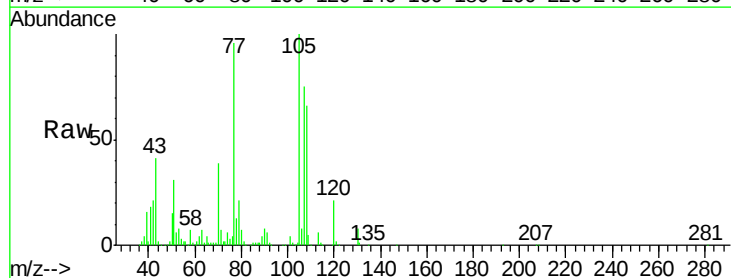
RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		456466		
71	6.7		4.4	6.6#	
51	30.8		22.3	33.5	
120	21.0		16.9	25.3	

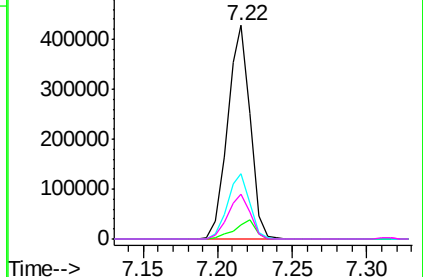
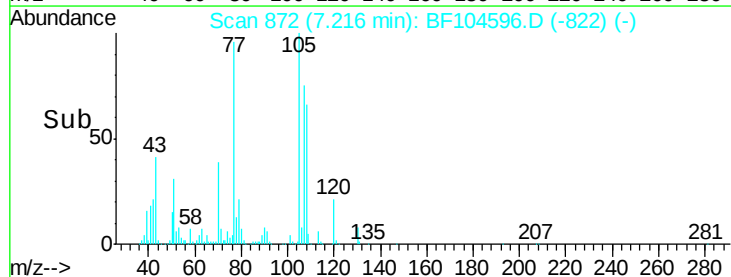


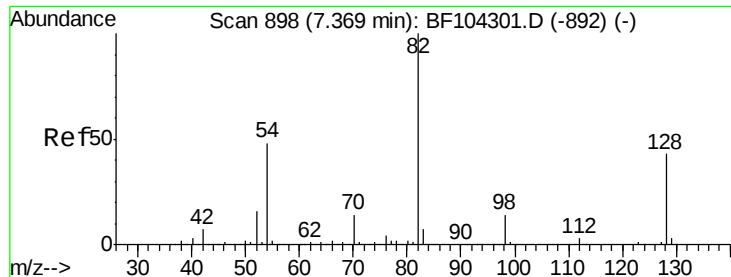
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





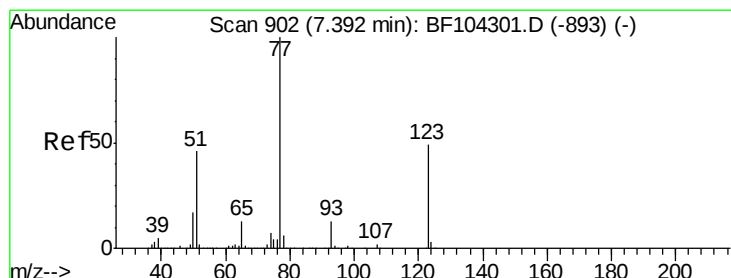
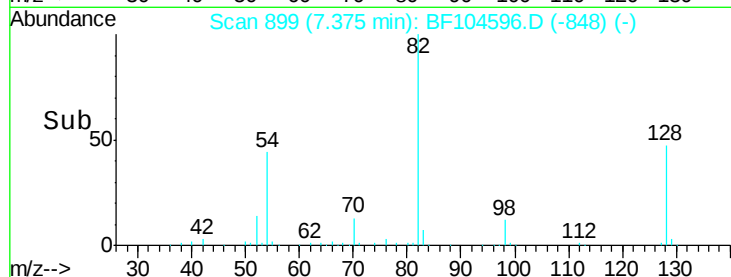
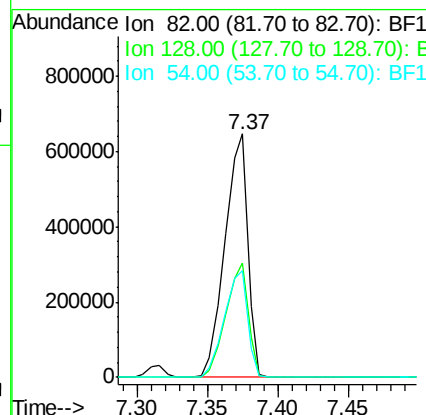
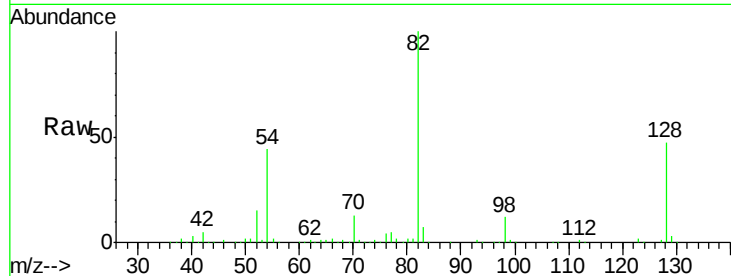
#23
 Nitrobenzene-d5
 Concen: 87.670 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	43.7	41.4	62.2

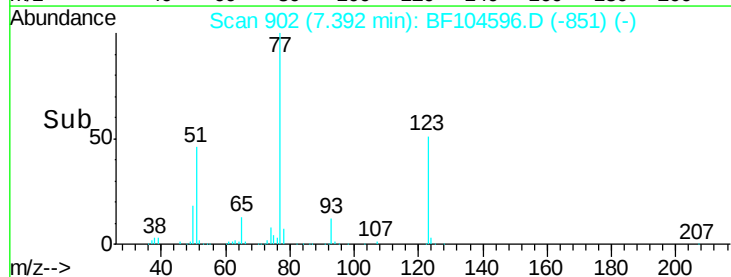
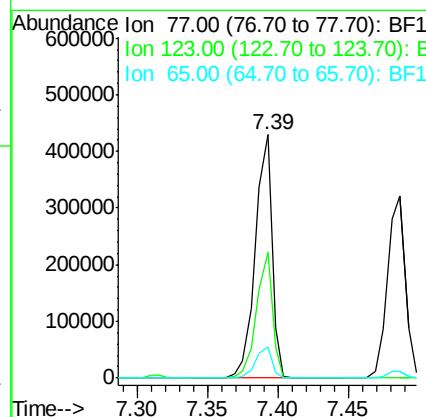
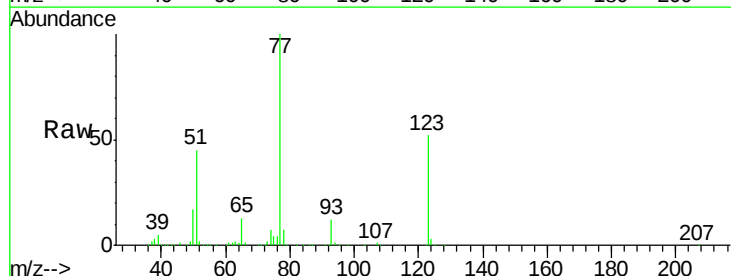
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#24
 Nitrobenzene
 Concen: 39.486 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.6	37.9	56.9
65	12.9	11.0	16.4





#25

Isophorone

Concen: 37.024 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

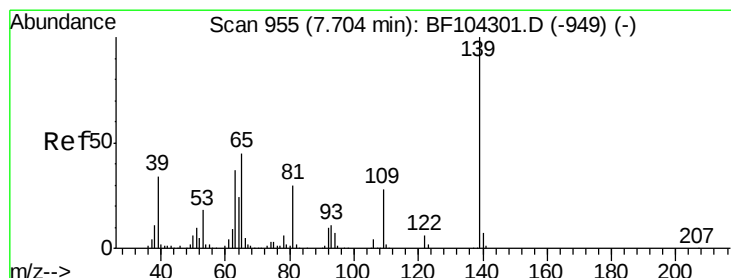
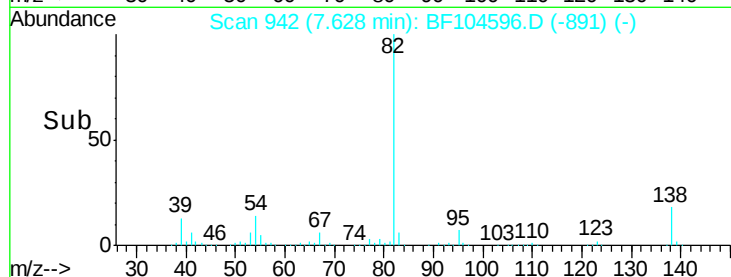
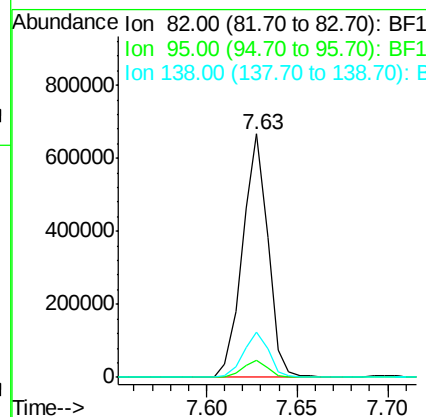
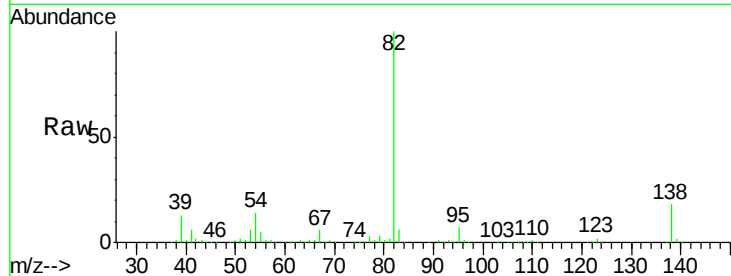
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	82	Resp:	649930
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.2	7.8
138	18.4	14.9	22.3

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#26

2-Nitrophenol

Concen: 51.176 ng

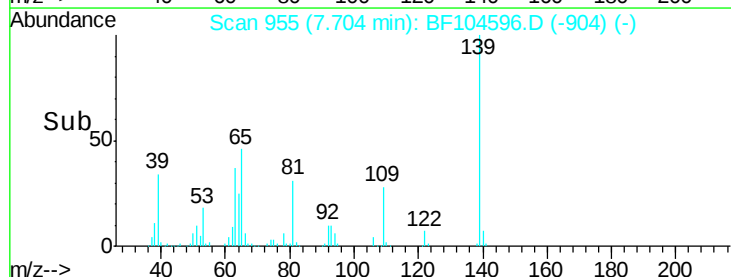
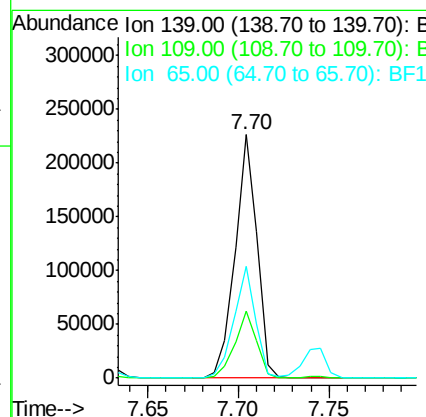
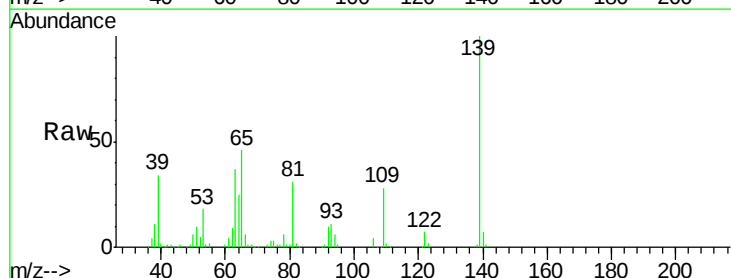
RT: 7.70 min Scan# 955

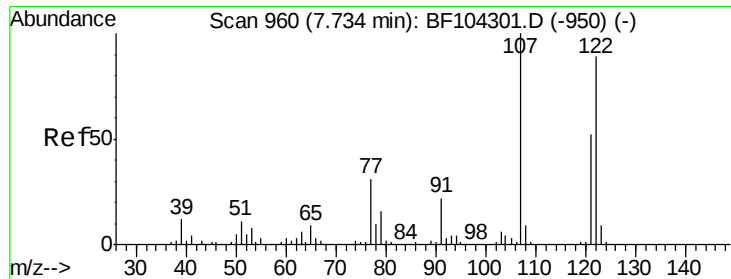
Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	139	Resp:	190946
Ion Ratio		Lower	Upper
139	100		
109	27.6	22.7	34.1
65	46.0	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 37.782 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

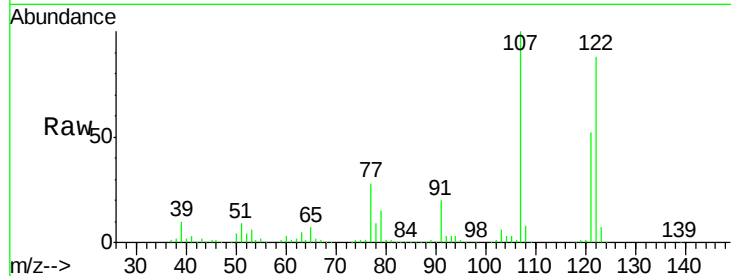
ClientSampled :

NAA-WS-006MSD

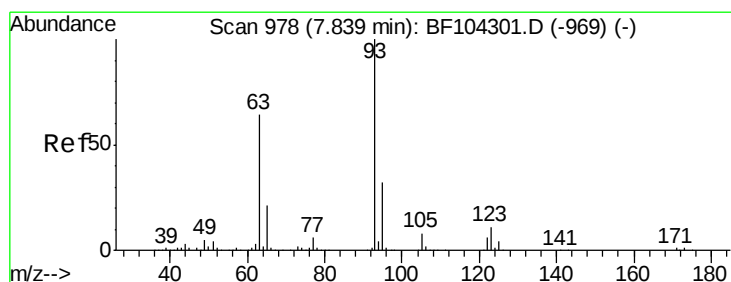
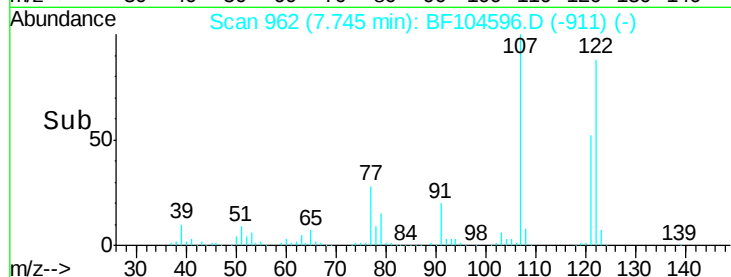
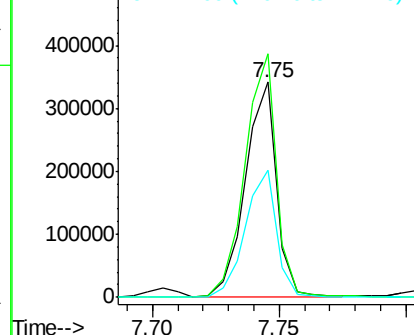
Tot Ion:	122	Resp:	292702
Ion Ratio	Lower	Upper	
122	100		
107	113.3	91.2	136.8
121	59.1	47.2	70.8

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.616 ng

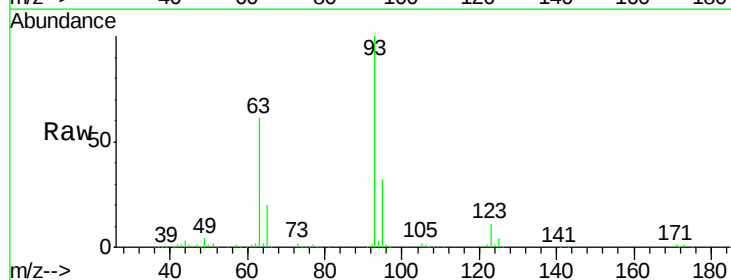
RT: 7.84 min Scan# 978

Delta R.T. -0.00 min

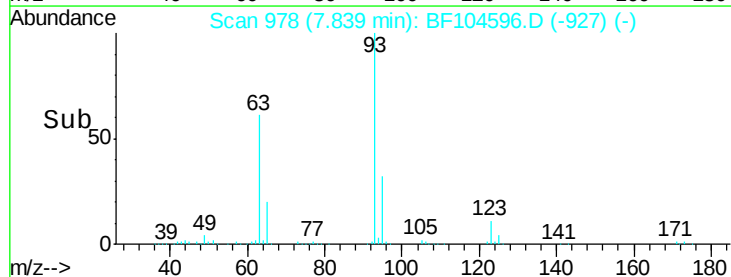
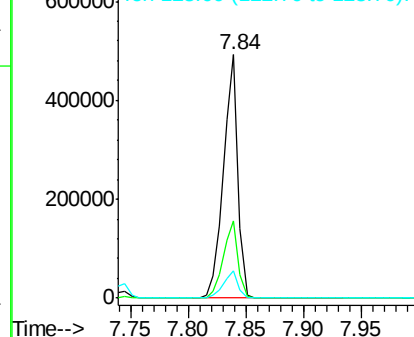
Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	93	Resp:	425185
Ion Ratio	Lower	Upper	
93	100		
95	31.8	26.3	39.5
123	11.2	9.8	14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.906 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

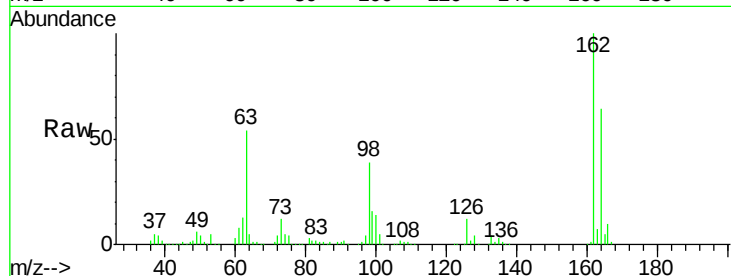
ClientSampleId :

NAA-WS-006MSD

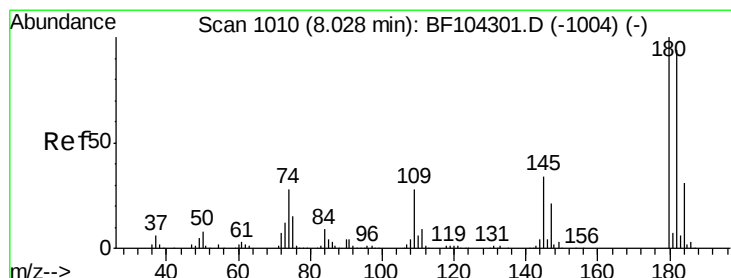
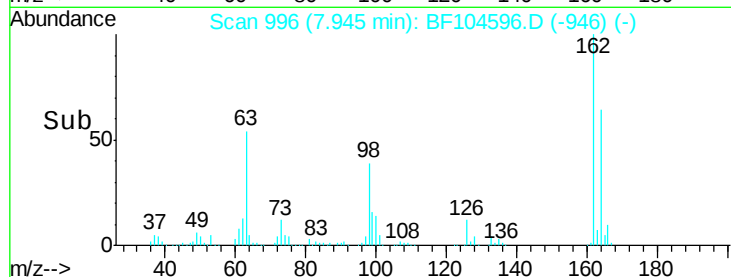
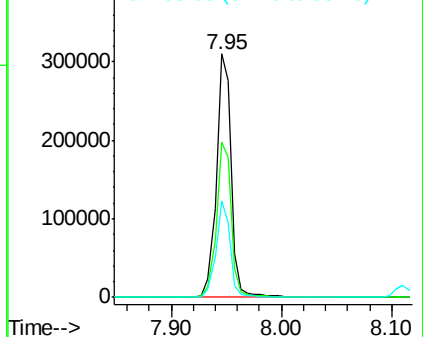
Tot Ion:	162	Resp:	287589
Ion Ratio	Lower	Upper	
162	100		
164	63.9	42.7	82.7
98	39.3	18.1	58.1

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 35.992 ng

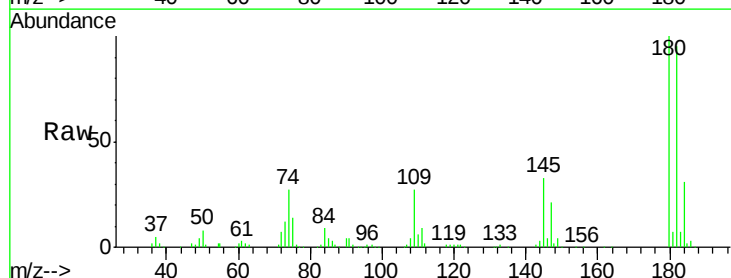
RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

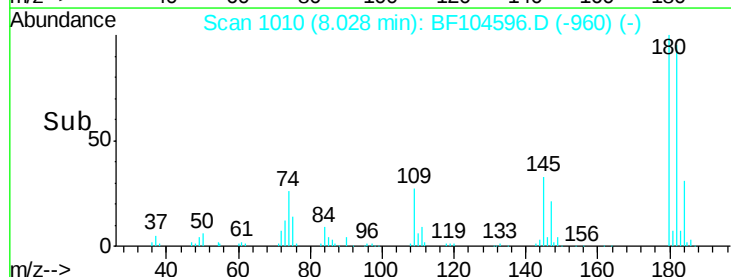
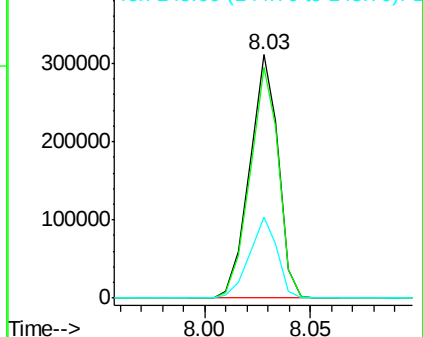
Lab File: BF104596.D

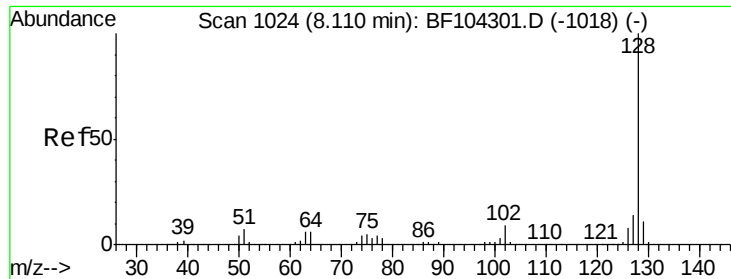
Acq: 18 Apr 2018 12:51

Tgt Ion:	180	Resp:	291984
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.8	115.2
145	33.2	26.5	39.7



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





#31

Naphthalene

Concen: 36.447 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

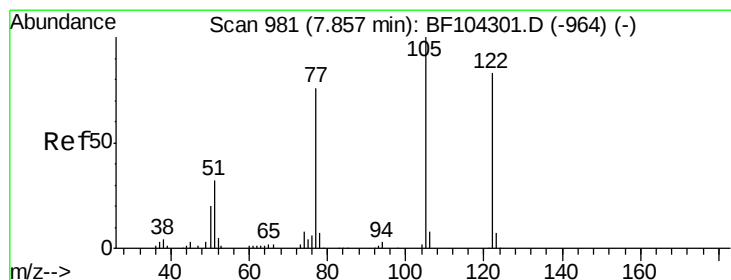
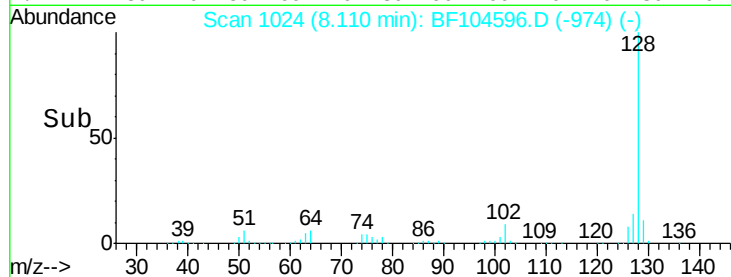
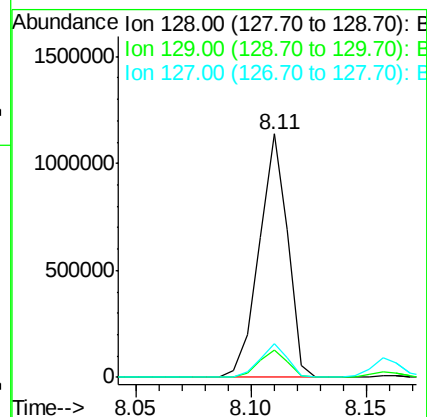
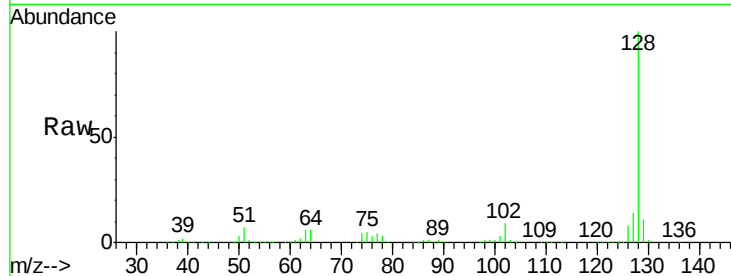
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	128	Resp:	983756
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.7	10.9	16.3

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#32

Benzoic acid

Concen: 8.599 ng

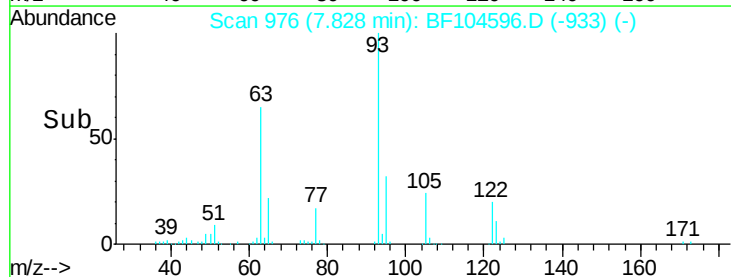
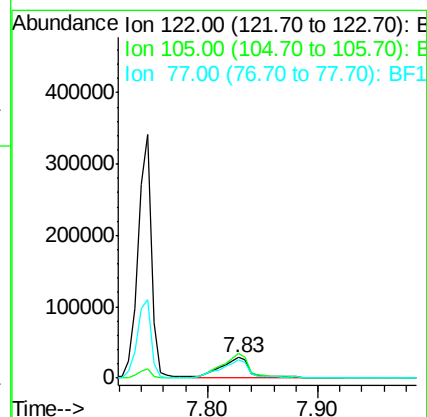
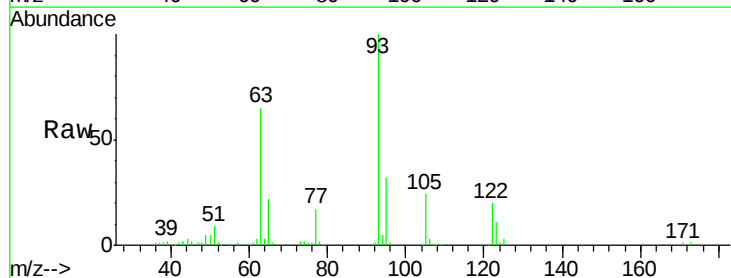
RT: 7.83 min Scan# 976

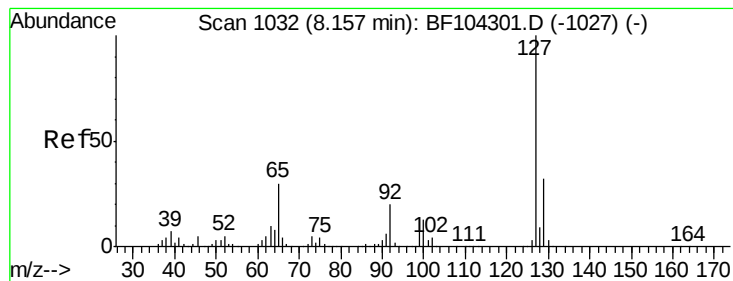
Delta R.T. -0.05 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	122	Resp:	53151
Ion Ratio	Lower	Upper	
122	100		
105	118.9	101.1	141.1
77	85.5	70.7	110.7





#33

4-Chloroaniline

Concen: 7.611 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

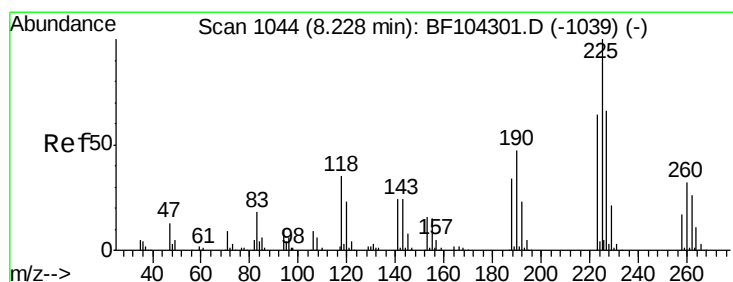
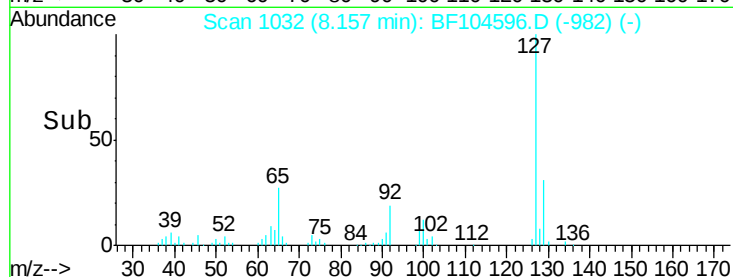
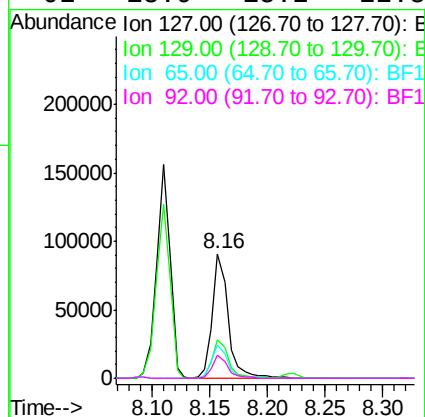
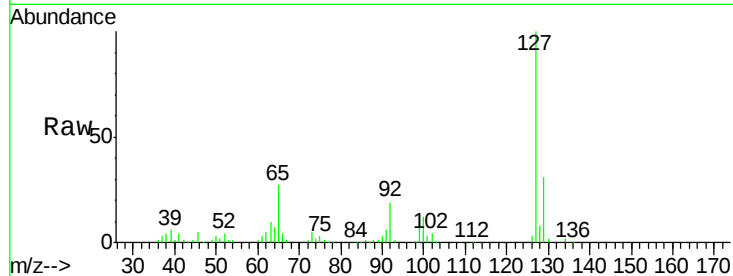
ClientSampleId :

NAA-WS-006MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.0	25.9	38.9		
65	27.1	25.0	37.4		
92	18.9	15.2	22.8		

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#34

Hexachlorobutadiene

Concen: 35.551 ng

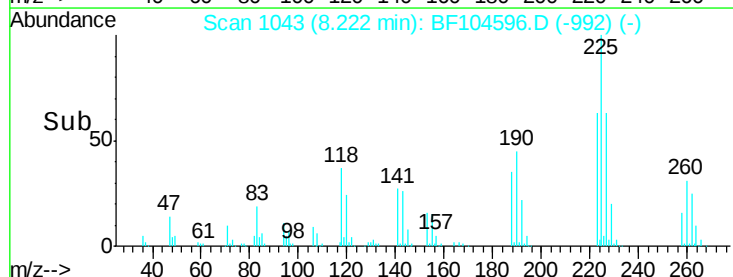
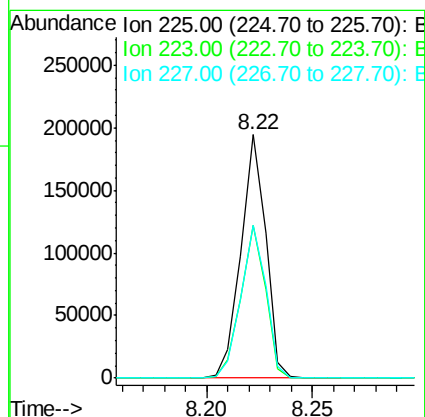
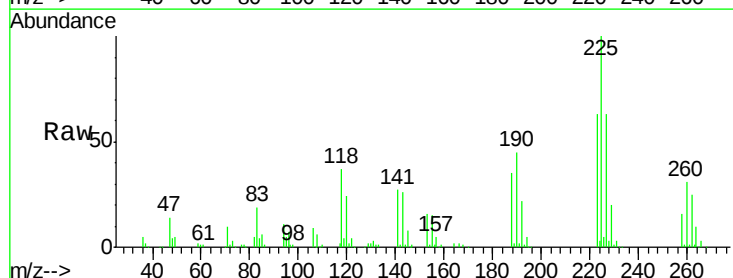
RT: 8.22 min Scan# 1043

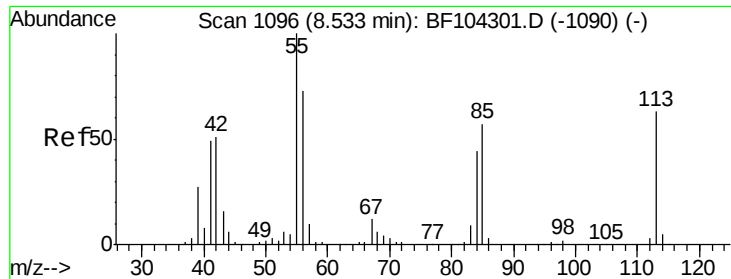
Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	50.6	76.0		
227	63.0	51.9	77.9		





#35

Caprolactam

Concen: 33.906 ng/mL

RT: 8.53 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

ClientSampleId :

NAA-WS-006MSD

Tot Ion:113 Resp: 87434

Ion Ratio Lower Upper

113 100

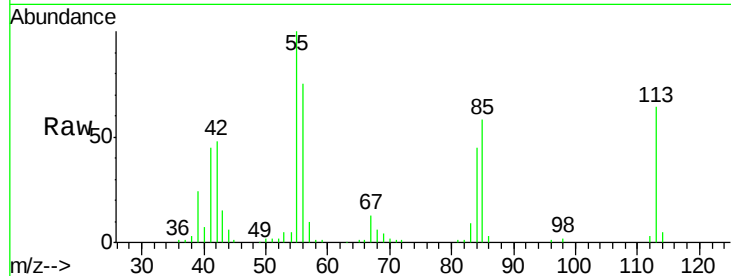
55 157.1 163.3 203.3#

56 117.9 115.7 155.7

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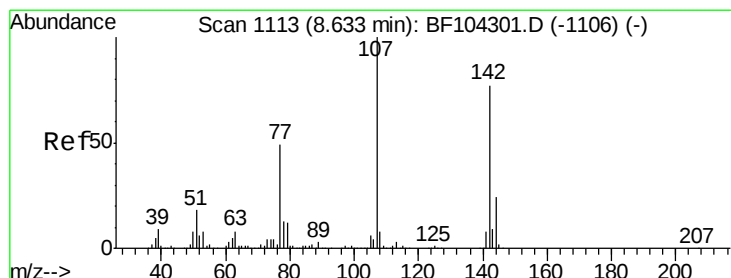
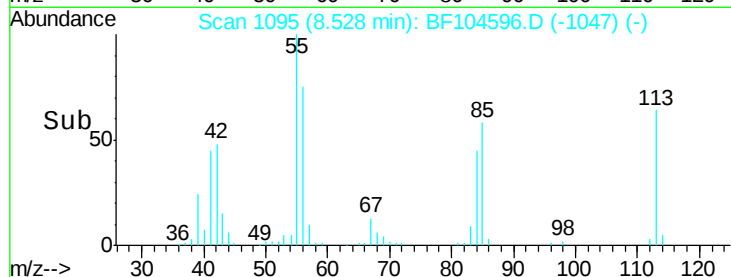
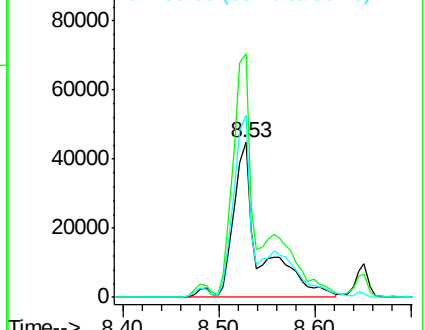
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 37.757 ng/mL

RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

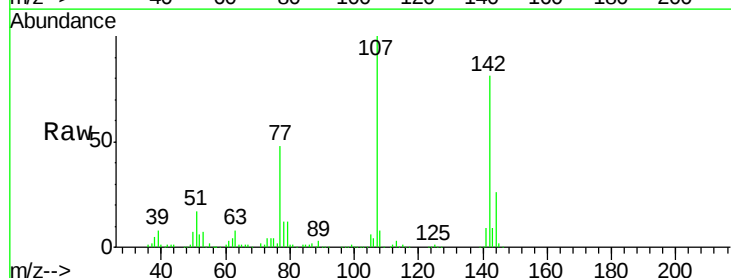
Tgt Ion:107 Resp: 299270

Ion Ratio Lower Upper

107 100

144 26.2 20.5 30.7

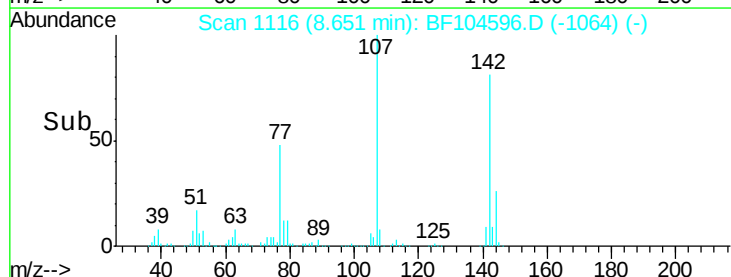
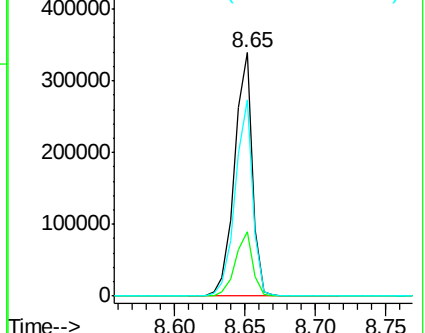
142 80.7 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





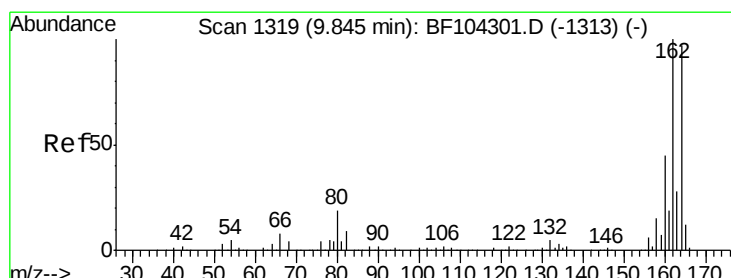
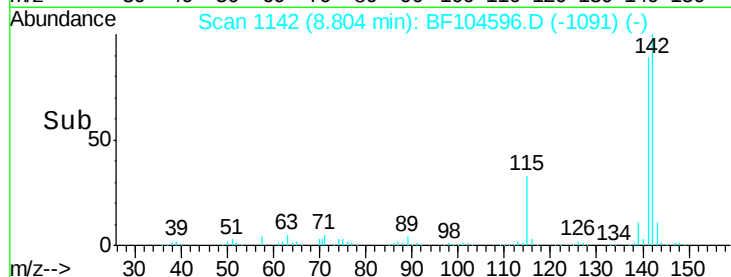
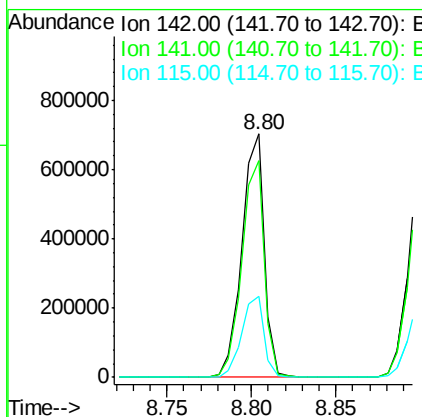
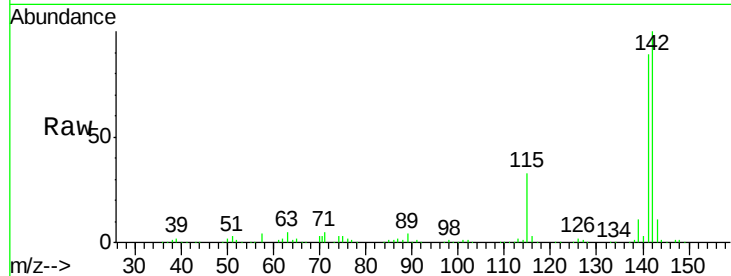
#37
2-Methylnaphthalene
Concen: 37.247 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	33.4	26.1	39.1

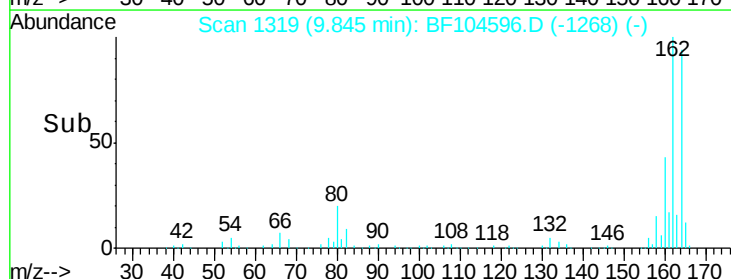
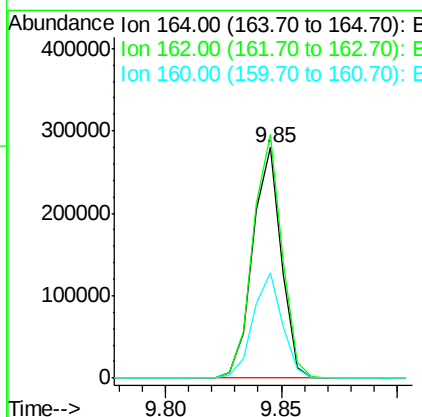
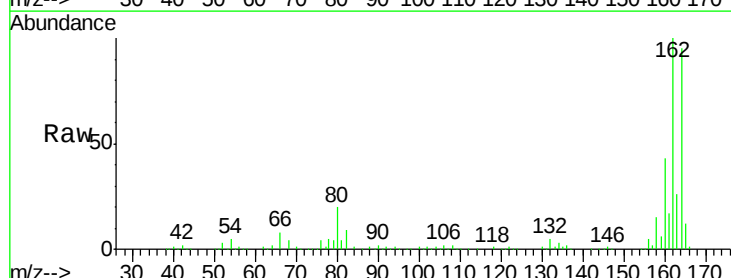
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	45.9	38.3	57.5





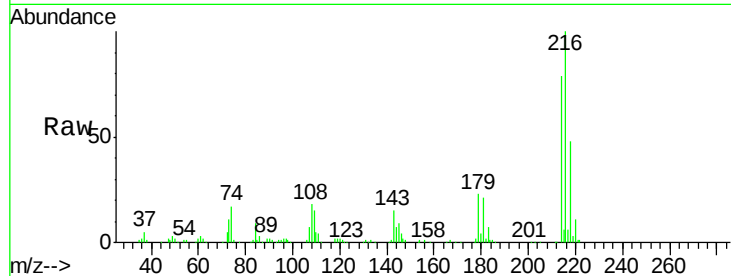
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.094 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

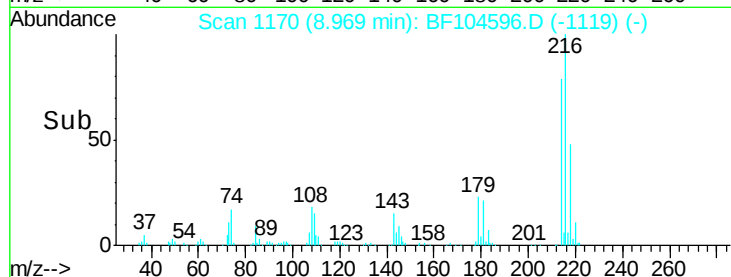
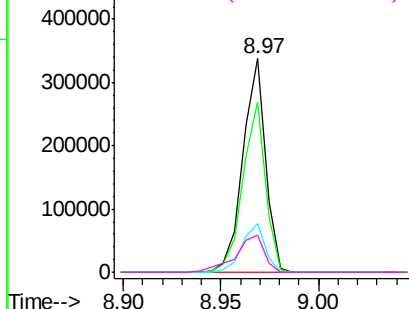
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		271385		
214	79.5		63.0	94.4	
179	22.9		18.1	27.1	
108	22.1		17.2	25.8	

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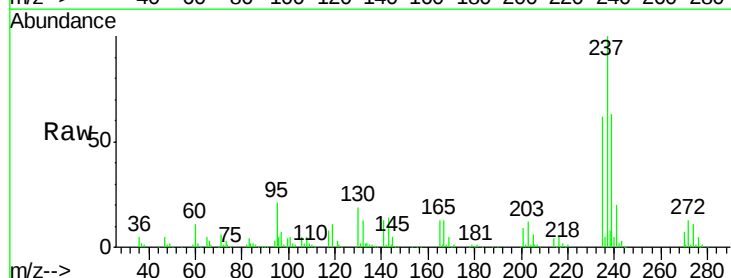
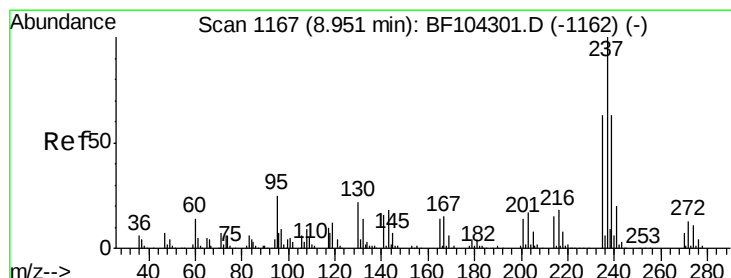
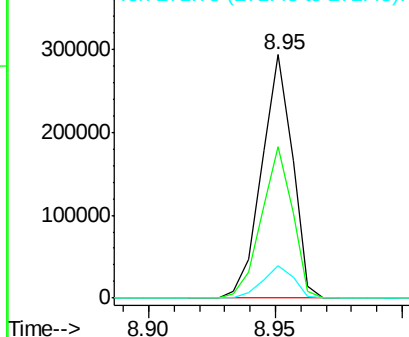
Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

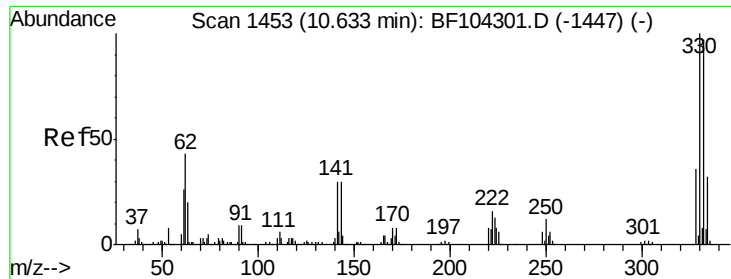


#40
 Hexachlorocyclopentadiene
 Concen: 64.212 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		249548		
235	62.2		44.8	84.8	
272	13.4		0.0	33.3	

Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





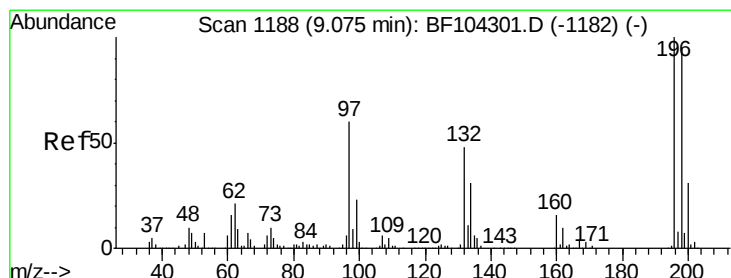
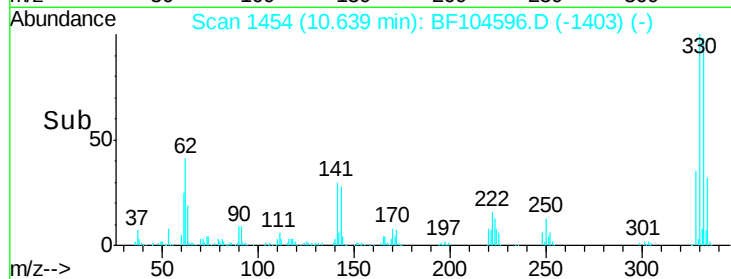
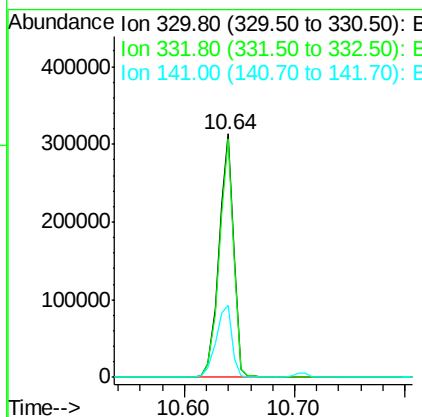
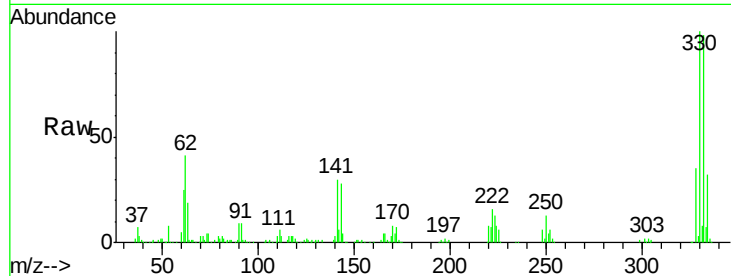
#41
 2,4,6-Tribromophenol
 Concen: 113.888 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	286492		
332	96.1	77.0	115.6	
141	32.4	29.9	44.9	

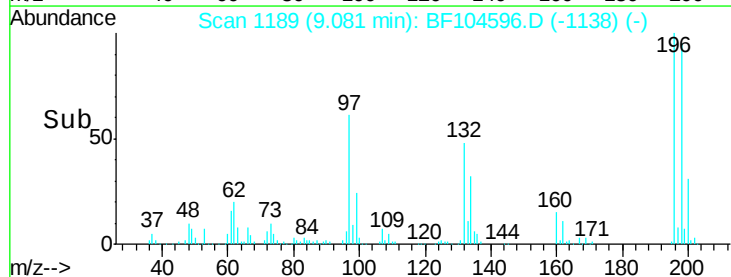
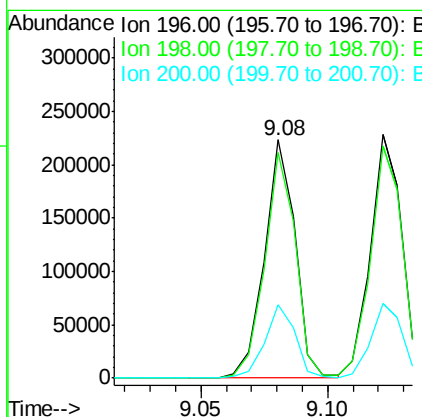
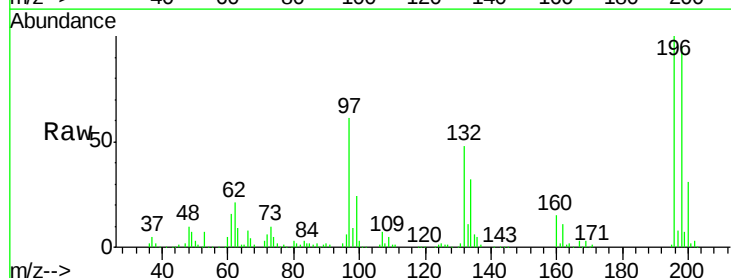
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#42
 2,4,6-Trichlorophenol
 Concen: 39.525 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	190468		
198	94.6	75.7	113.5	
200	30.9	24.5	36.7	





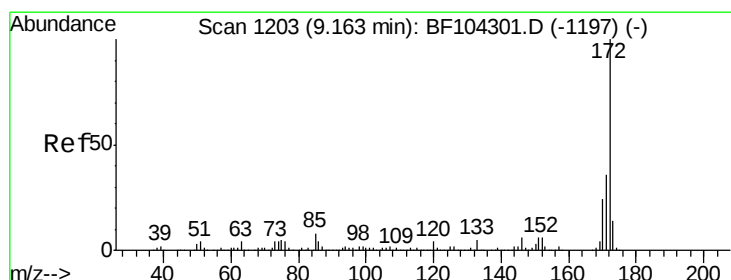
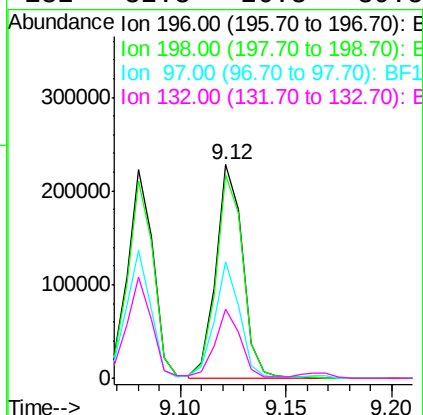
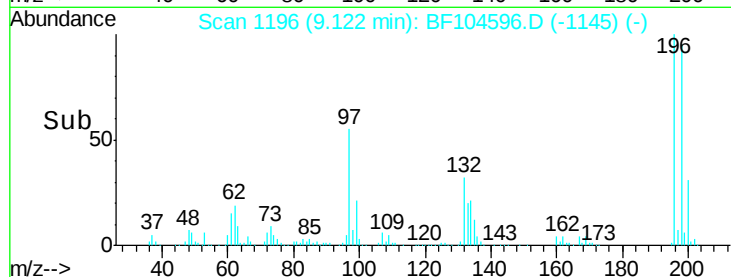
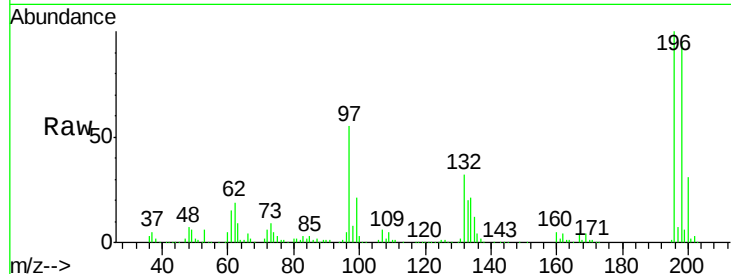
#43
 2,4,5-Trichlorophenol
 Concen: 37.054 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		199815		
198	95.3		74.6	112.0	
97	54.6		42.9	64.3	
132	32.3		26.3	39.5	

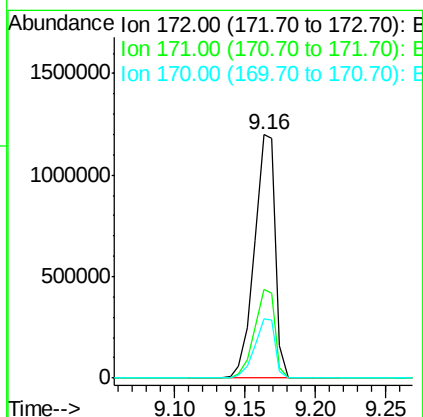
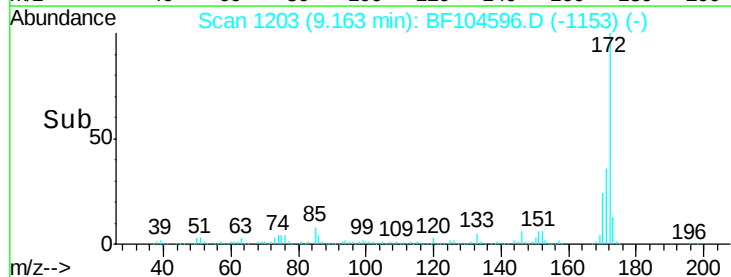
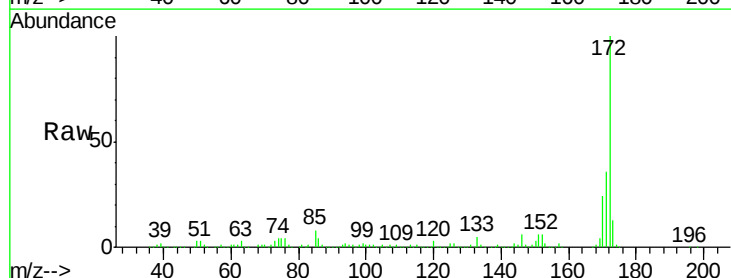
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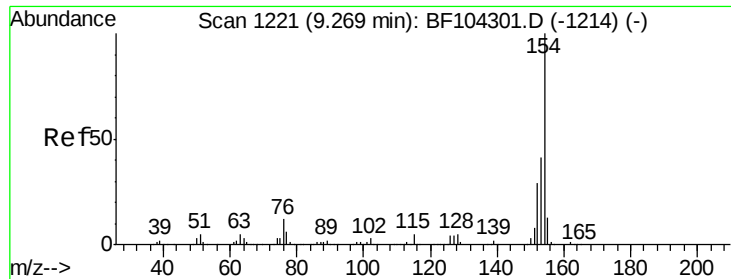
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 81.317 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1248271		
171	36.4		29.7	44.5	
170	24.4		19.6	29.4	





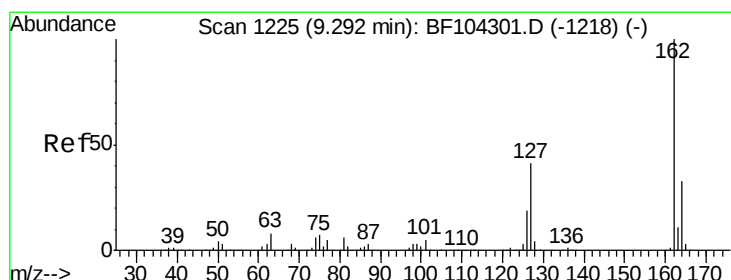
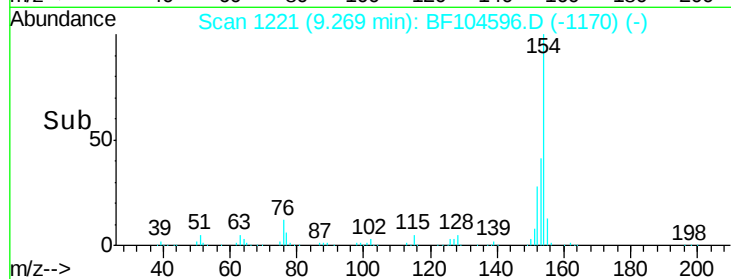
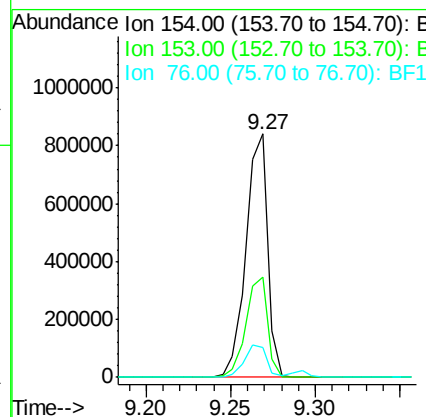
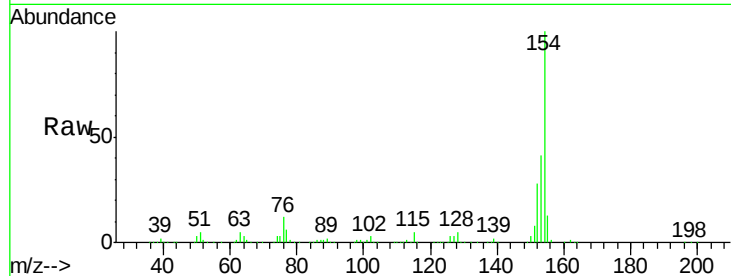
#45
 1,1'-Biphenyl
 Concen: 36.806 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.4	21.3	61.3	
76	12.3	0.0	34.0	

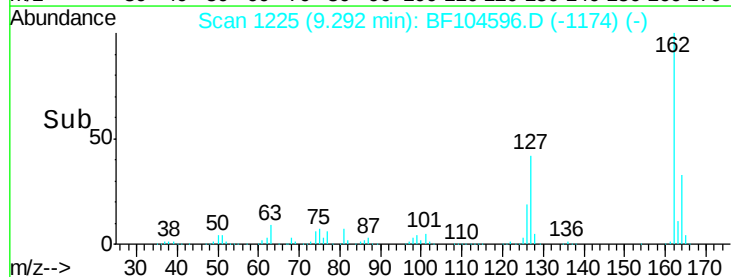
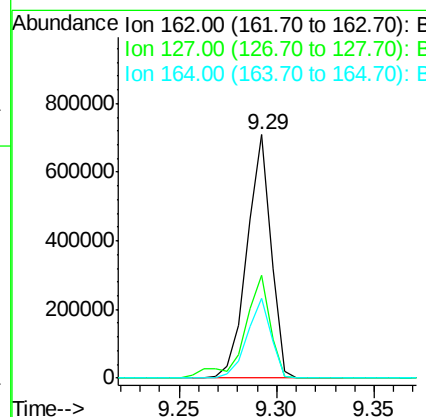
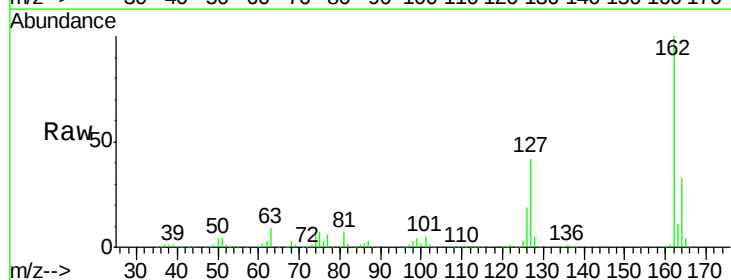
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#46
 2-Chloronaphthalene
 Concen: 37.414 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	42.0	33.9	50.9	
164	32.8	26.5	39.7	





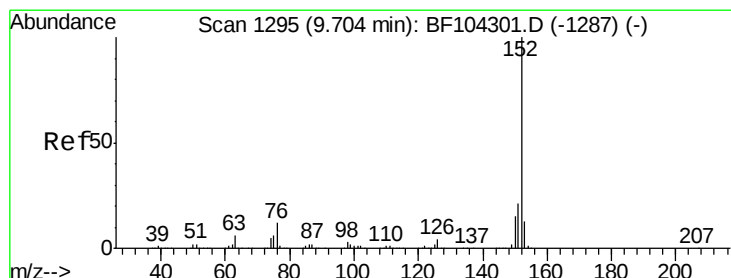
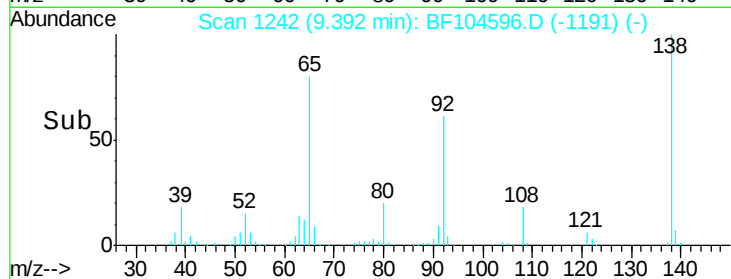
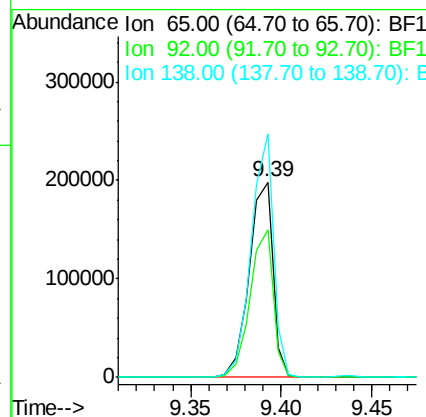
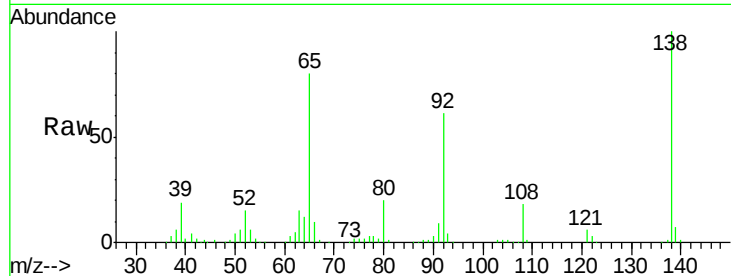
#47
 2-Nitroaniline
 Concen: 45.563 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion:	65	Resp:	181313
Ion Ratio	Lower	Upper	
65	100		
92	75.6	55.8	83.6
138	124.7	91.2	136.8

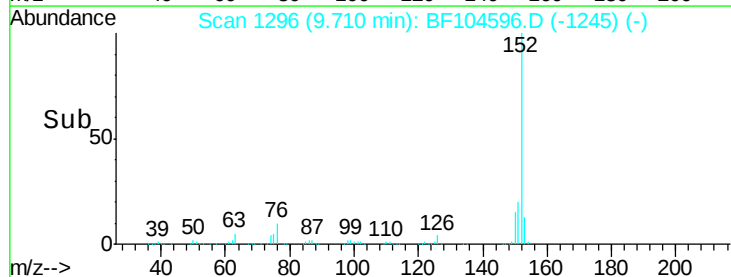
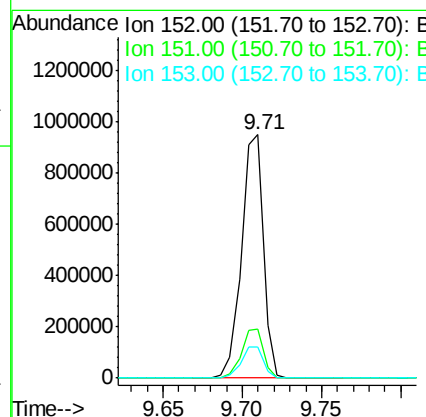
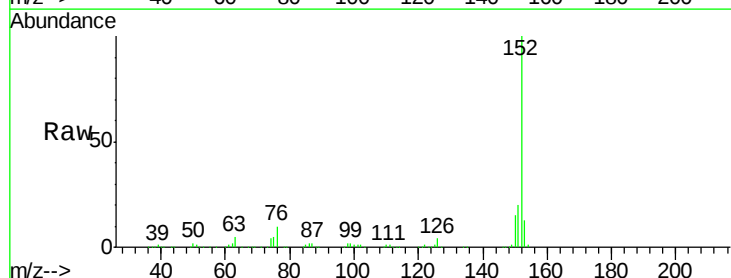
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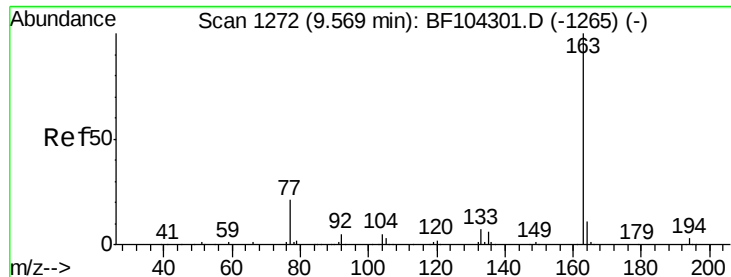
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#48
 Acenaphthylene
 Concen: 35.833 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion:	152	Resp:	904674
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	12.9	10.7	16.1





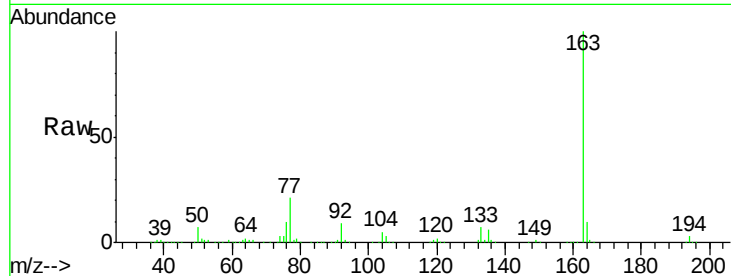
#49
Dimethylphthalate
Concen: 42.228 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

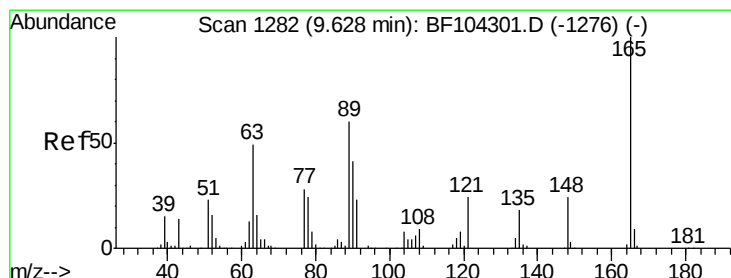
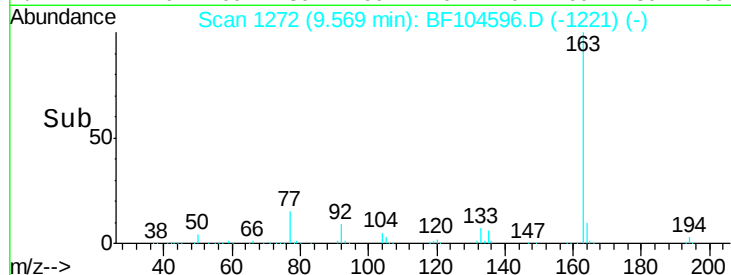
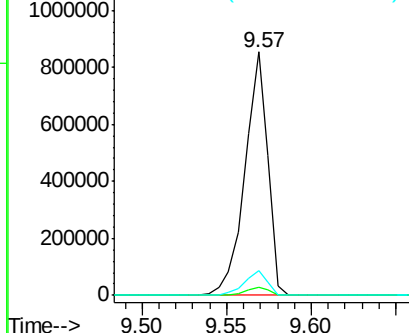
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		807549		
194	3.4		2.7	4.1	
164	10.1		8.2	12.2	

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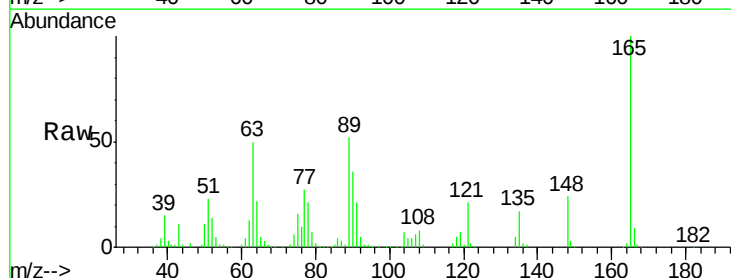


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

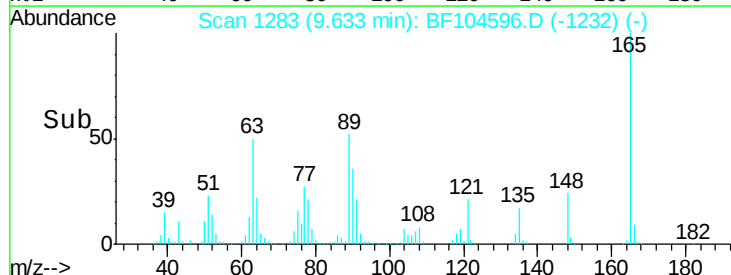
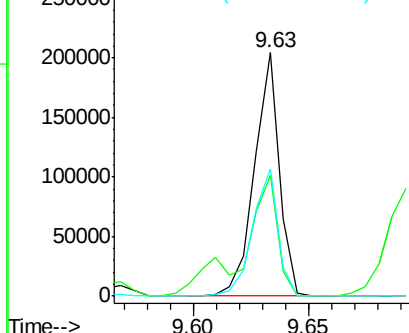


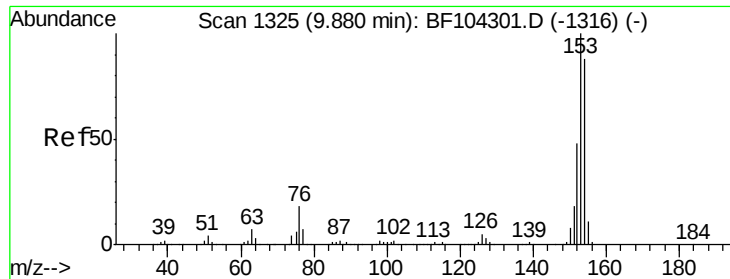
#50
2,6-Dinitrotoluene
Concen: 43.439 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		153712		
63	49.5		44.7	67.1	
89	52.5		44.0	66.0	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 34.340 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

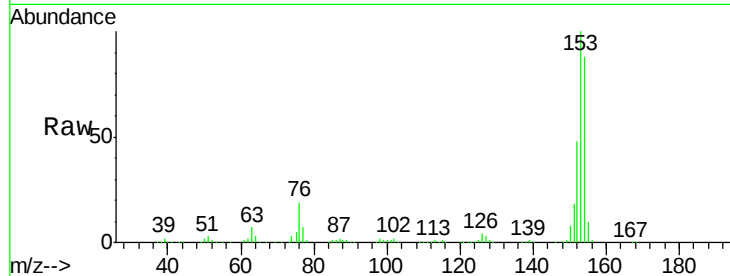
ClientSampleId :

NAA-WS-006MSD

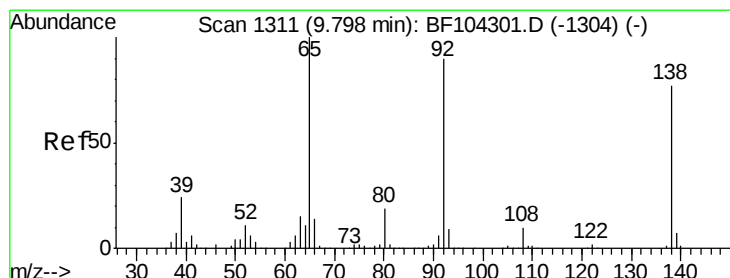
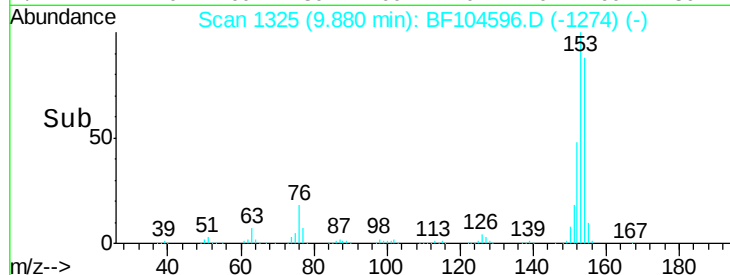
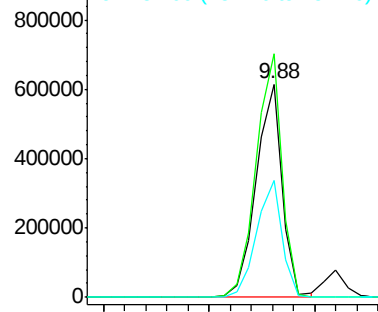
Tot Ion:	154	Resp:	528979
Ion Ratio	Lower	Upper	
154	100		
153	114.2	91.2	136.8
152	54.7	43.8	65.8

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



#52

3-Nitroaniline

Concen: 16.688 ng

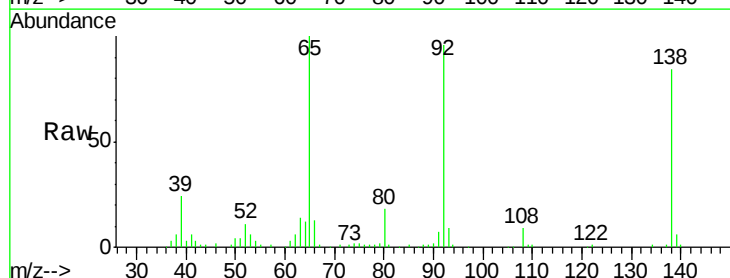
RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

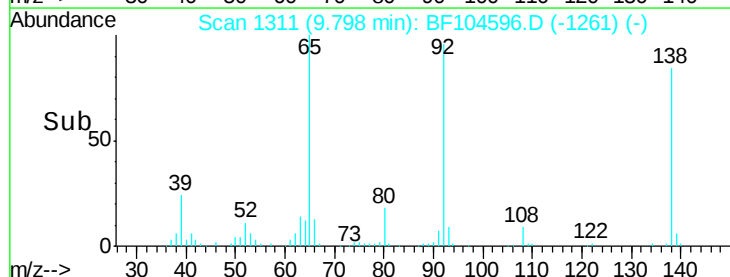
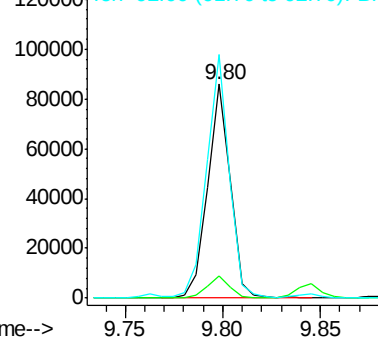
Lab File: BF104596.D

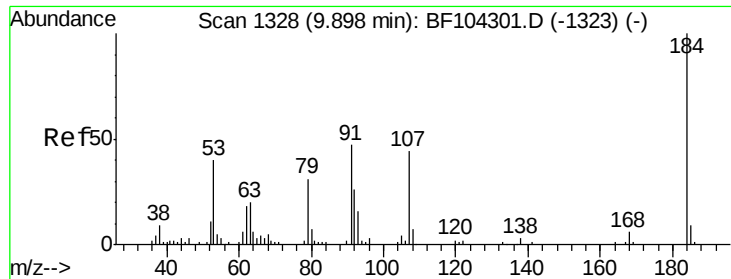
Acq: 18 Apr 2018 12:51

Tgt Ion:	138	Resp:	69130
Ion Ratio	Lower	Upper	
138	100		
108	10.4	9.4	14.0
92	114.0	89.4	134.2



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): BF1





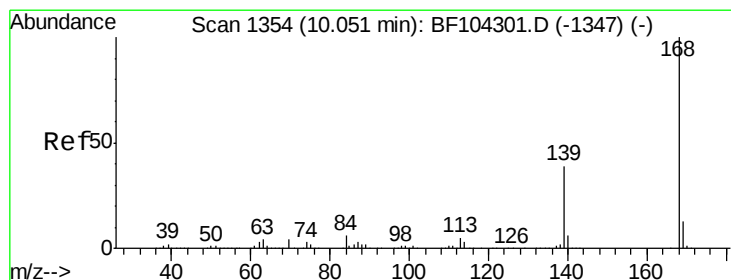
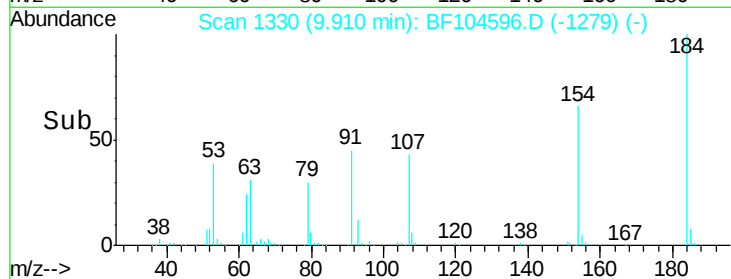
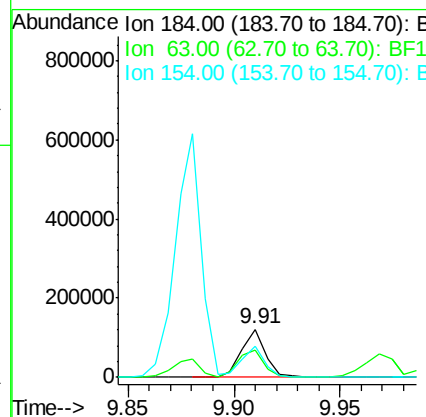
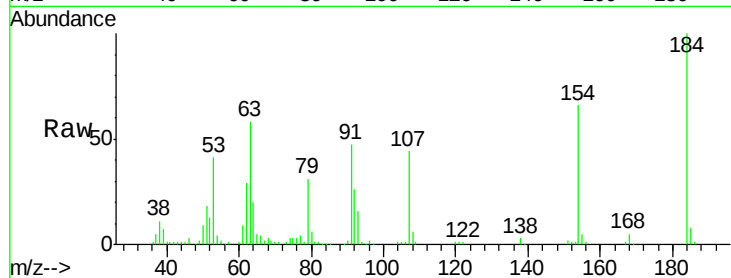
#53
 2,4-Dinitrophenol
 Concen: 70.231 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	57.9	54.2	81.2
154	65.6	184.0	276.0#

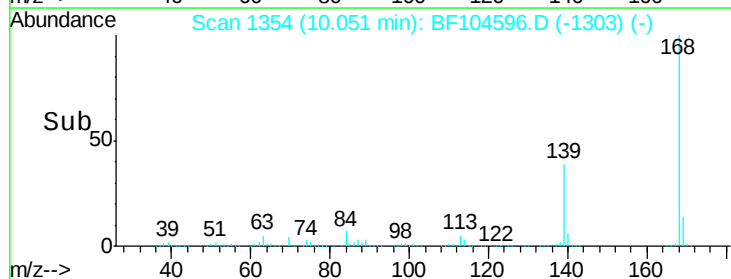
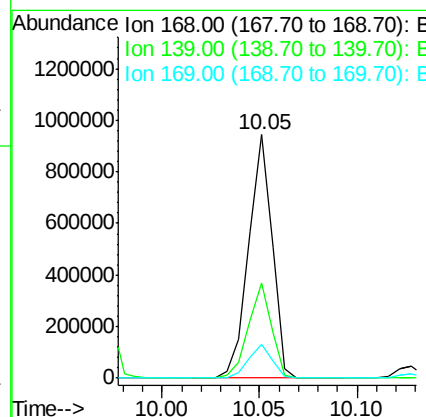
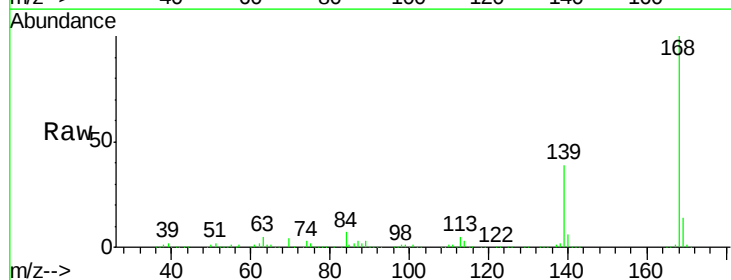
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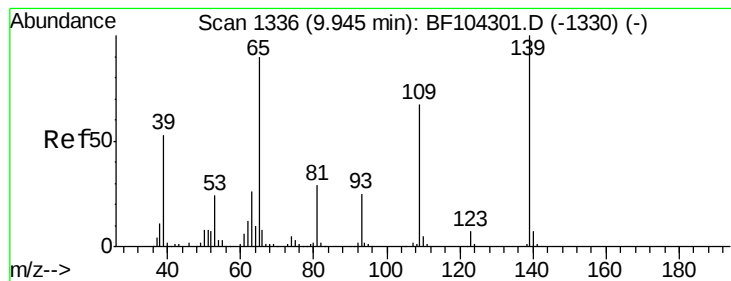
Sohil
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#54
 Dibenzofuran
 Concen: 36.833 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	13.6	10.9	16.3





#55

4-Nitrophenol

Concen: 74.226 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

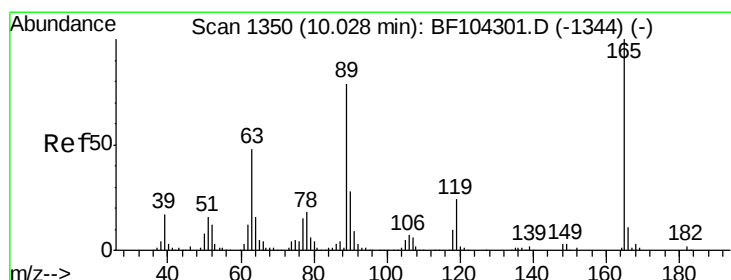
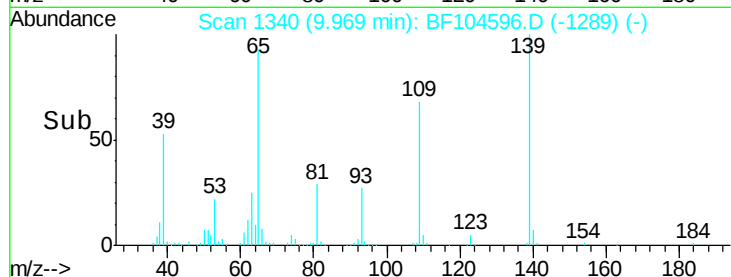
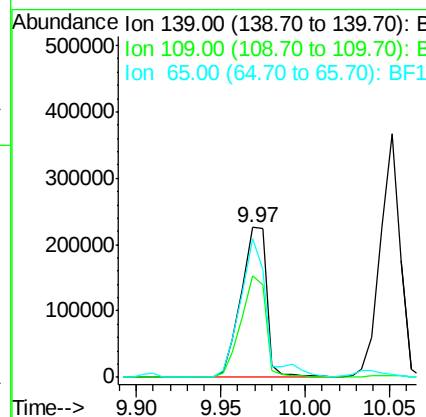
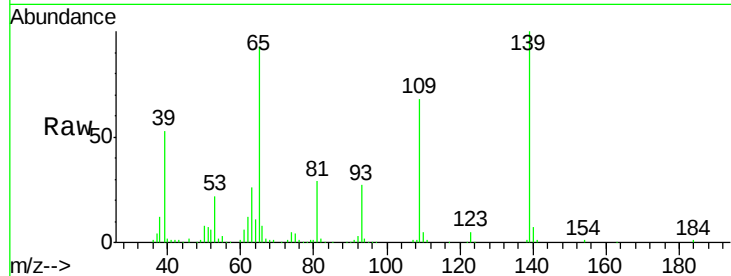
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	139	Resp:	241543
Ion Ratio	Lower	Upper	
139	100		
109	67.6	48.4	88.4
65	92.8	72.6	112.6

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#56

2,4-Dinitrotoluene

Concen: 43.535 ng

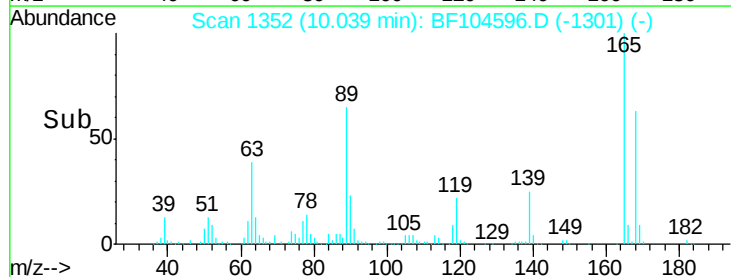
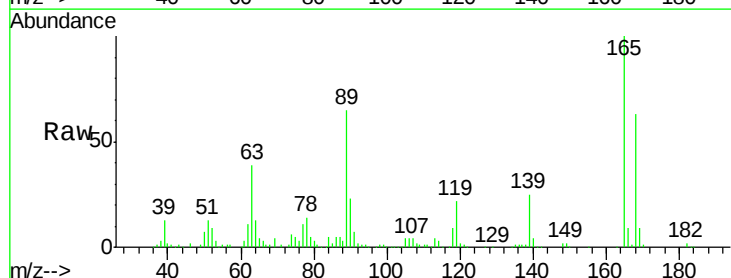
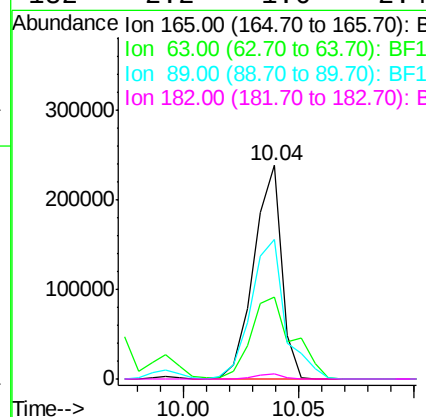
RT: 10.04 min Scan# 1352

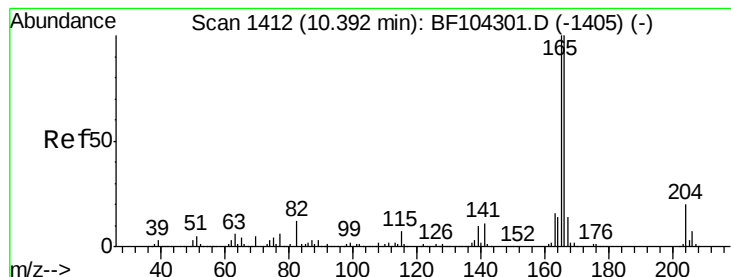
Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	165	Resp:	202071
Ion Ratio	Lower	Upper	
165	100		
63	38.6	36.4	54.6
89	65.2	57.8	86.6
182	2.2	1.6	2.4





#57

Fluorene

Concen: 39.014 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

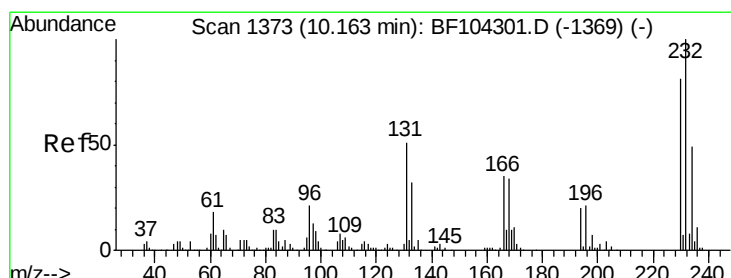
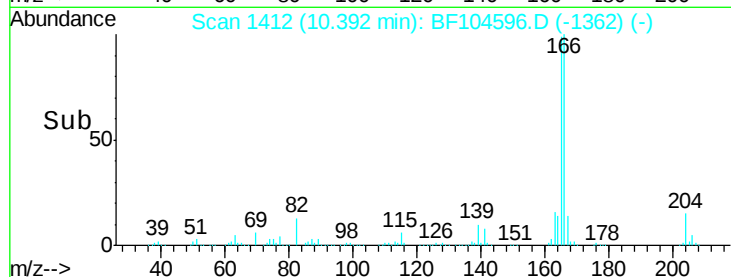
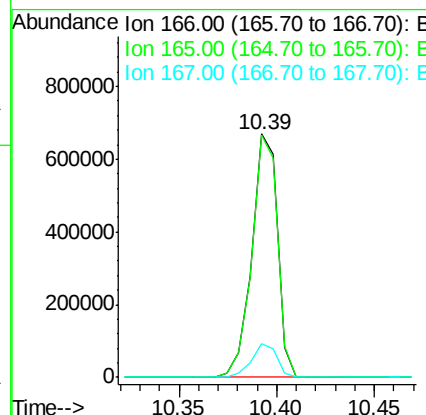
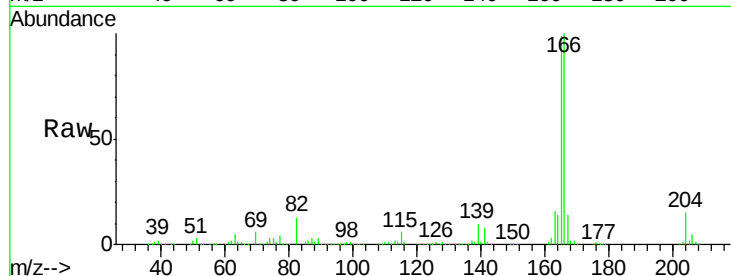
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	166	Resp:	609601
Ion Ratio		Lower	Upper
166	100		
165	99.4	79.8	119.8
167	13.8	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 38.663 ng

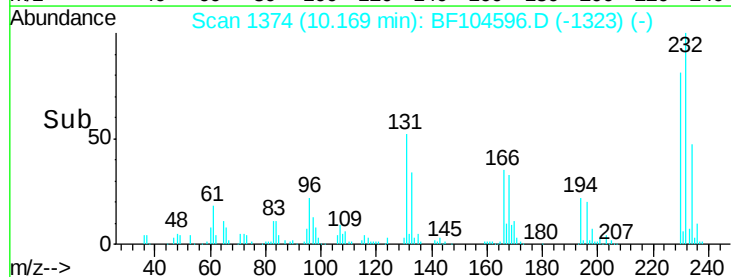
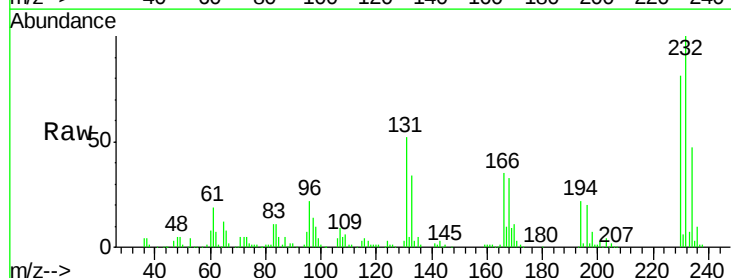
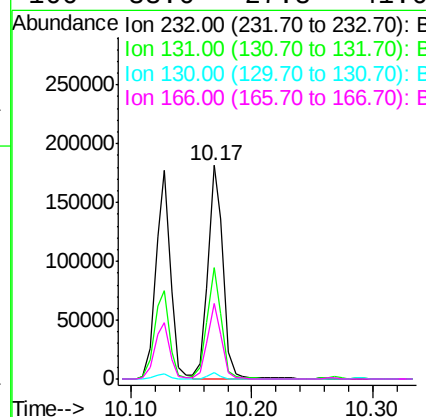
RT: 10.17 min Scan# 1374

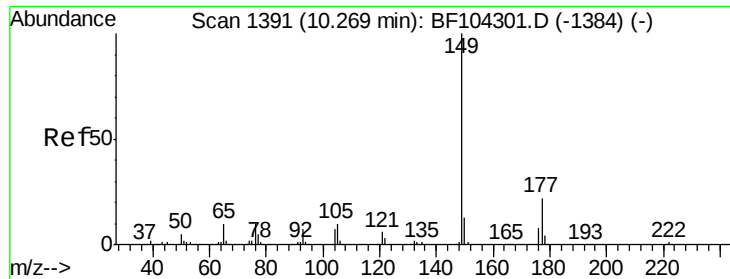
Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	232	Resp:	155546
Ion Ratio		Lower	Upper
232	100		
131	50.7	43.8	65.8
130	2.6	2.1	3.1
166	33.6	27.8	41.6





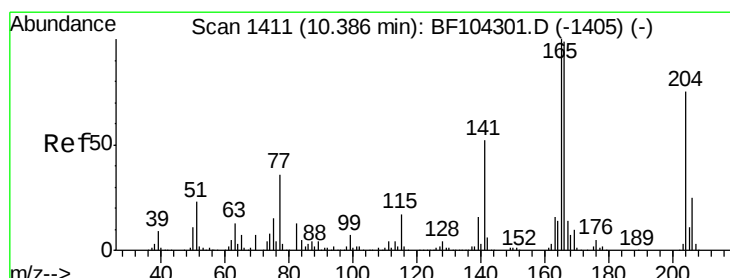
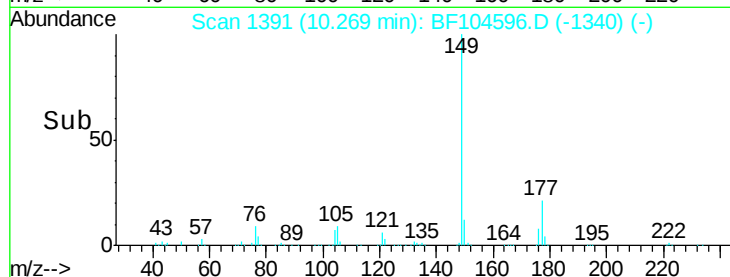
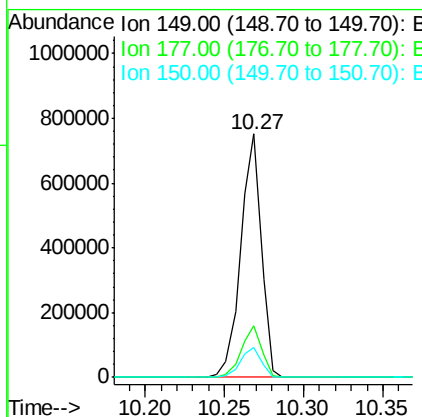
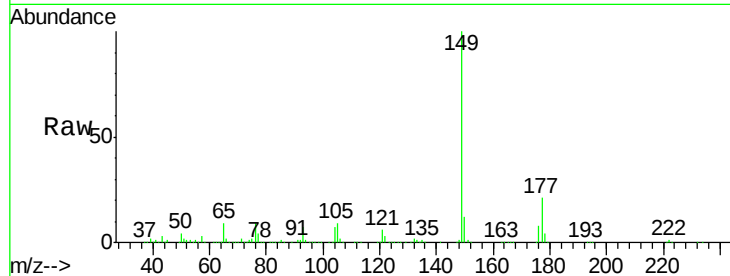
#59
Diethylphthalate
Concen: 35.320 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	12.4	10.1	15.1

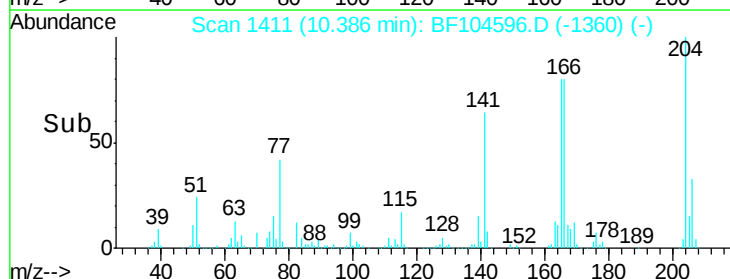
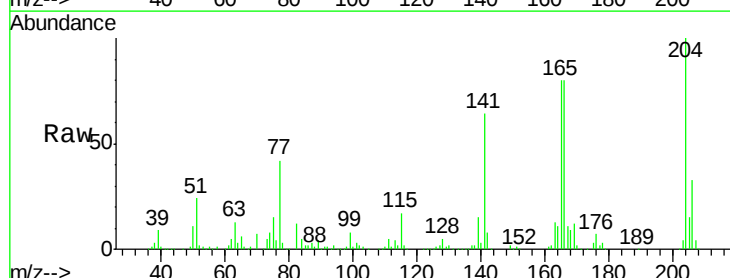
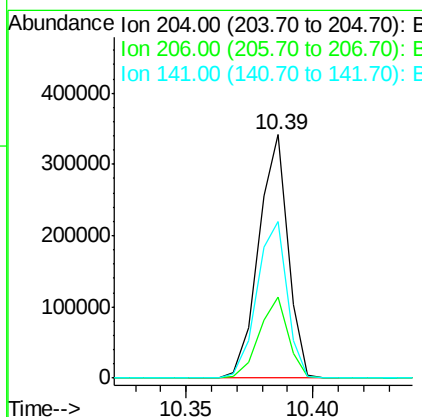
Manual Integrations
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#60
4-Chlorophenyl-phenylether
Concen: 39.743 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	64.1	54.6	81.8





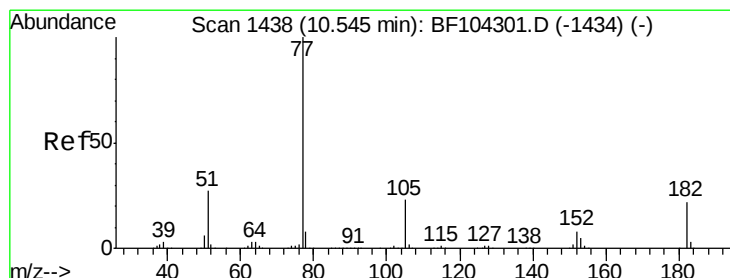
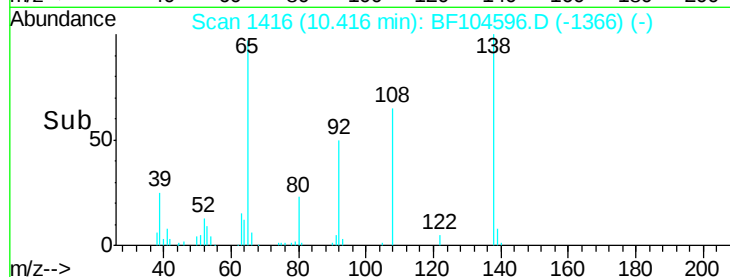
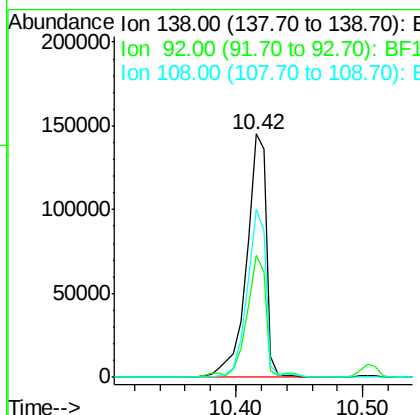
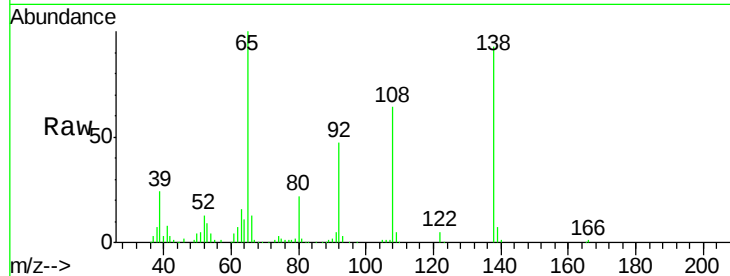
#61
4-Nitroaniline
Concen: 38.996 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	157956		
92	50.3	30.2	70.2	
108	69.0	52.5	92.5	

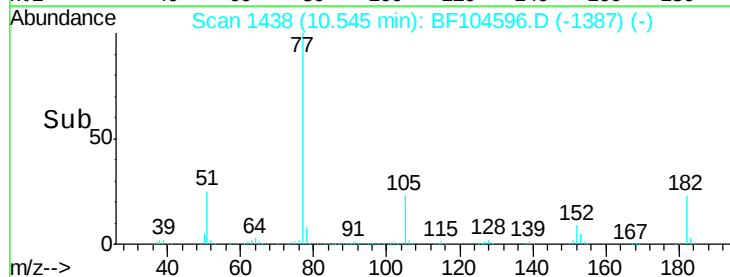
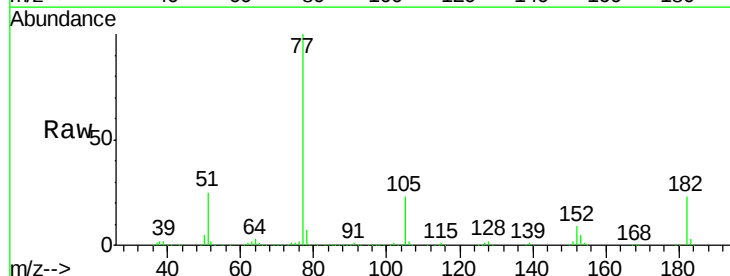
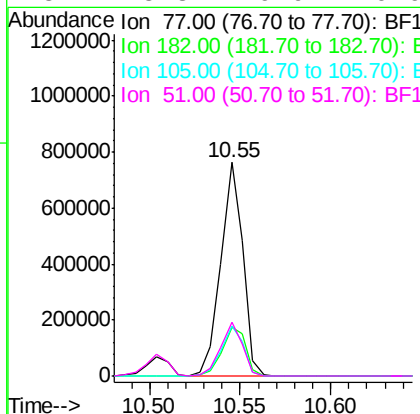
Manual Integrations
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#62
Azobenzene
Concen: 35.361 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	643427		
182	22.9	1.7	41.7	
105	23.3	3.0	43.0	
51	25.3	9.9	49.9	





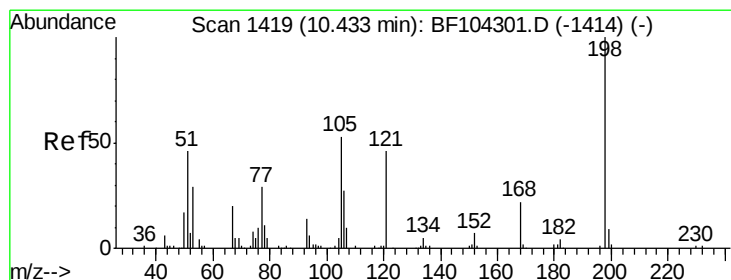
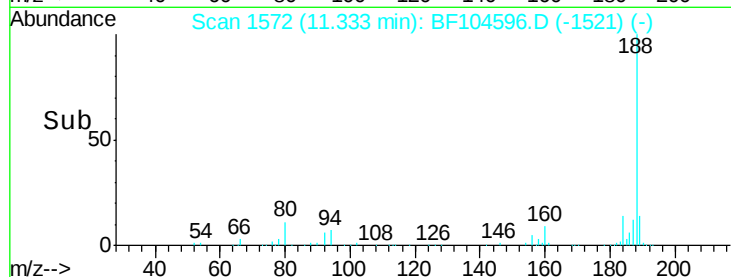
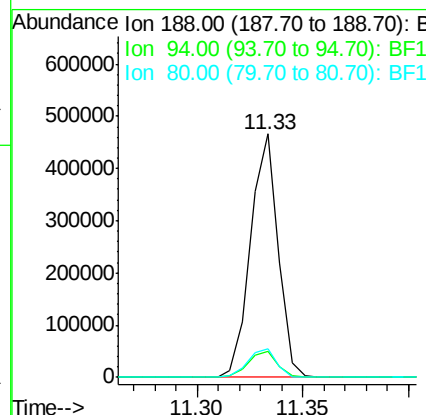
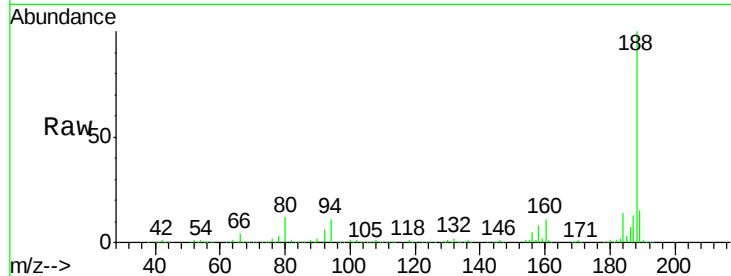
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion:	188	Resp:	421915
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.8	9.2	13.8

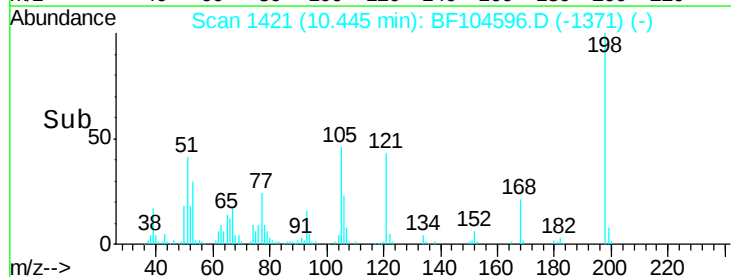
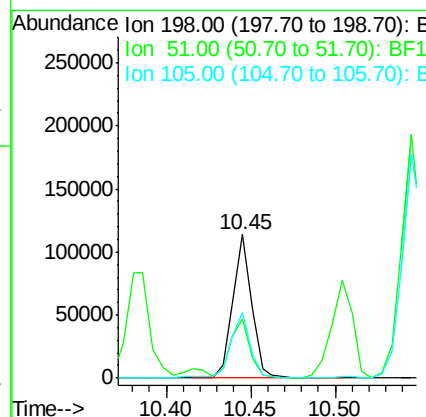
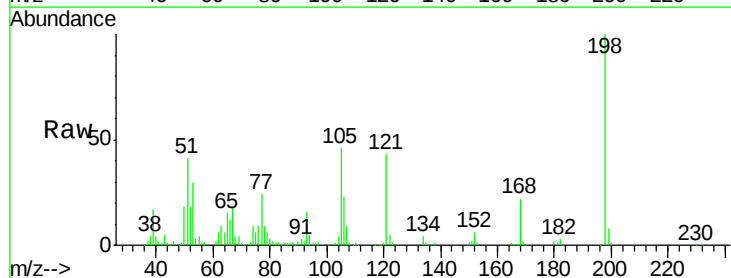
Manual Integrations
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 43.760 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion:	198	Resp:	88343
Ion Ratio	Lower	Upper	
198	100		
51	41.2	37.7	77.7
105	46.1	36.3	76.3





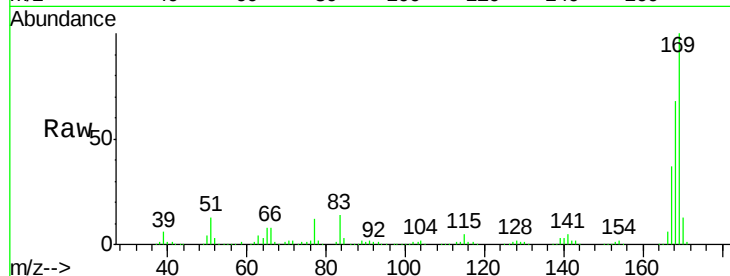
#65
n-Nitrosodiphenylamine
Concen: 37.860 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

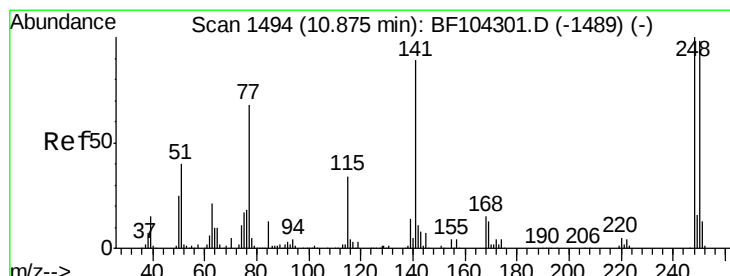
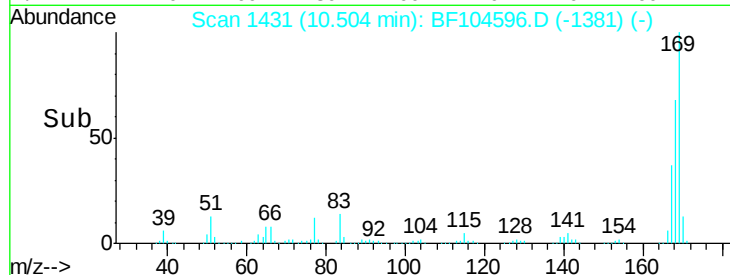
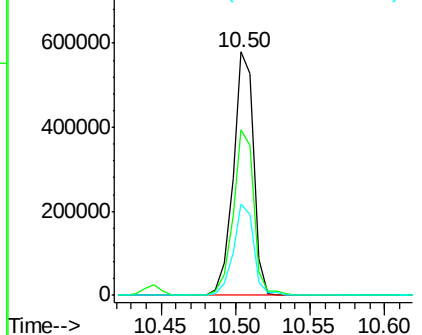
Tot Ion	Ratio	Resp	Lower	Upper
169	100	553843		
168	67.8		54.4	81.6
167	37.4		29.8	44.6

Manual Integrations
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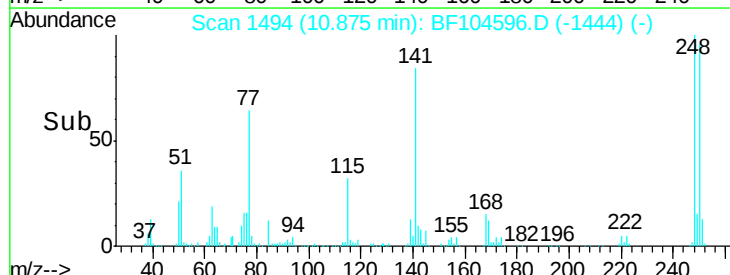
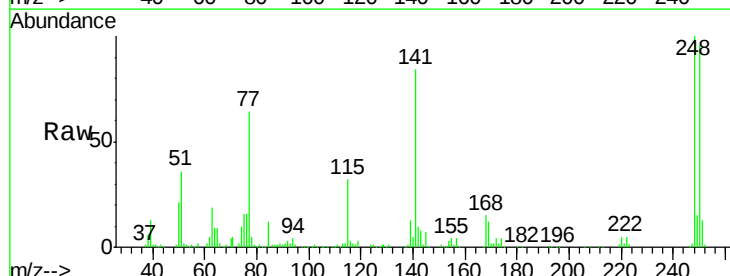
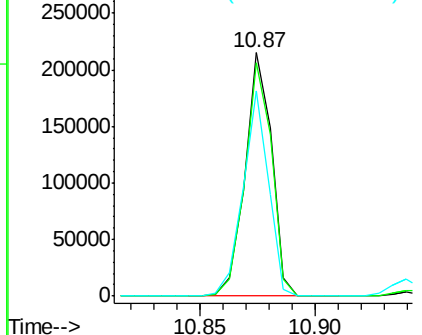
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66
4-Bromophenyl-phenylether
Concen: 38.752 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	173914		
250	96.0		76.9	115.3
141	84.4		74.4	111.6

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





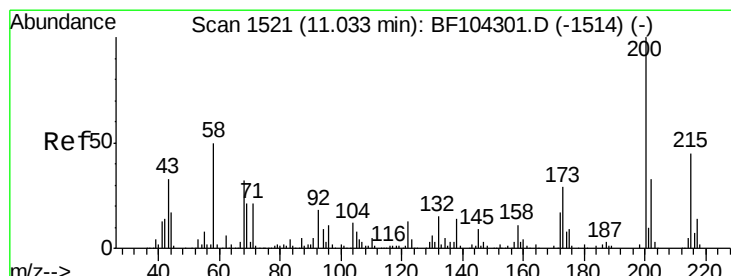
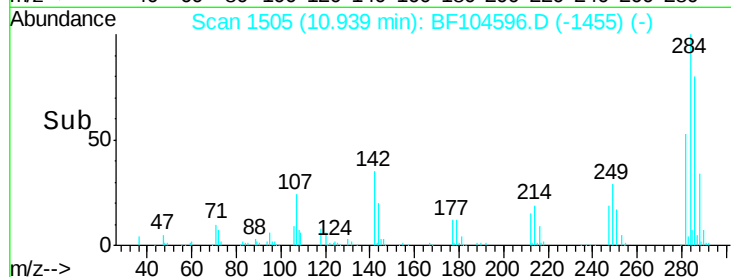
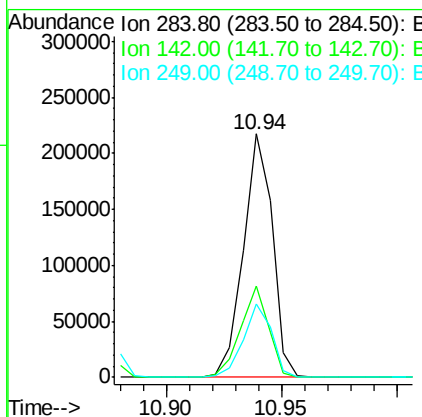
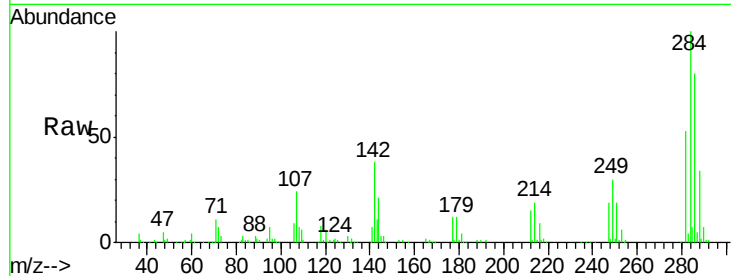
#67
Hexachlorobenzene
Concen: 37.963 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	191702		
142	37.6	34.6	52.0	
249	30.4	24.8	37.2	

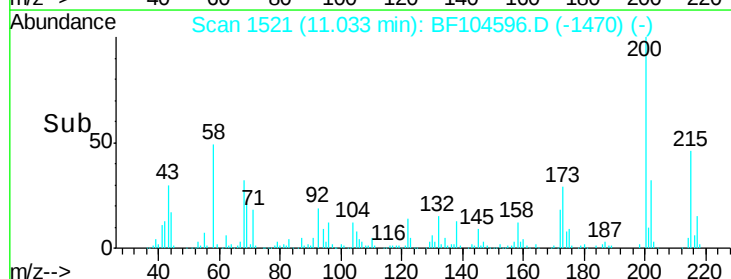
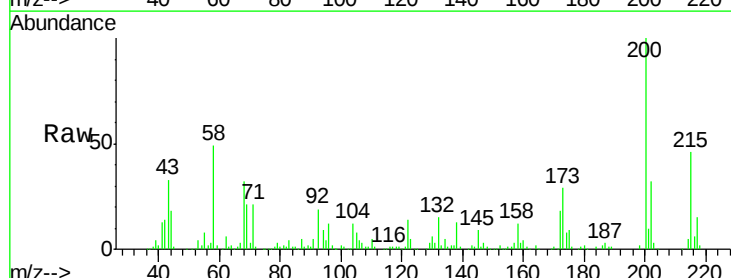
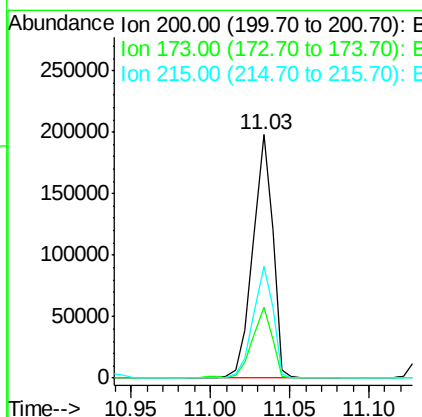
Manual Integrations
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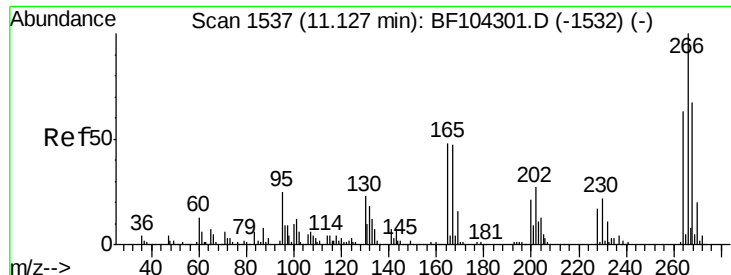
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#68
Atrazine
Concen: 39.207 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	173123		
173	28.9	8.6	48.6	
215	46.0	25.1	65.1	





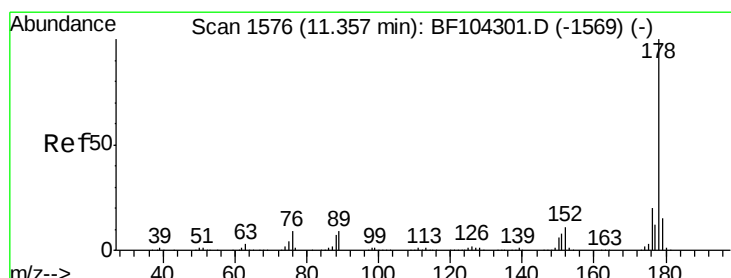
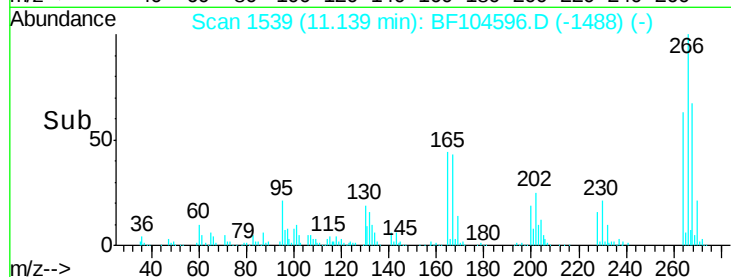
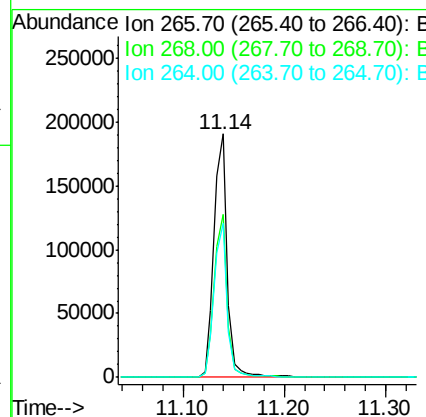
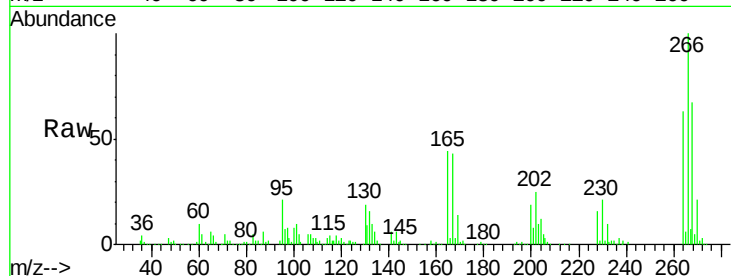
#69
 Pentachlorophenol
 Concen: 56.052 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.1	76.7
264	63.5	49.5	74.3

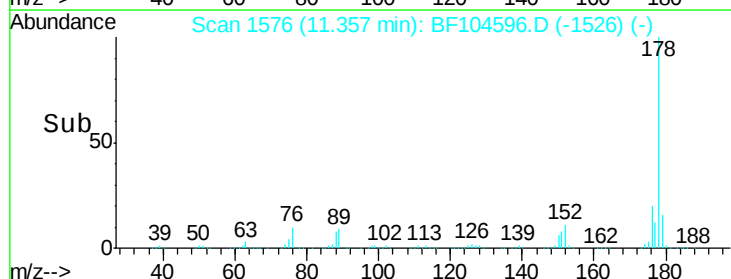
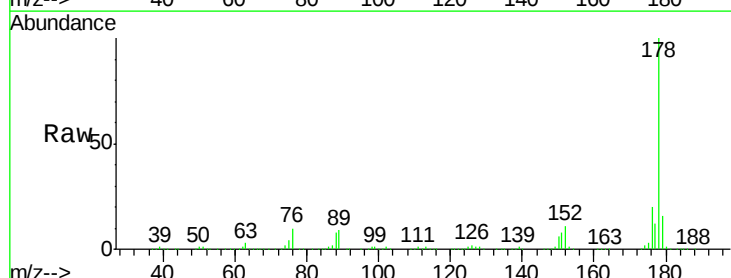
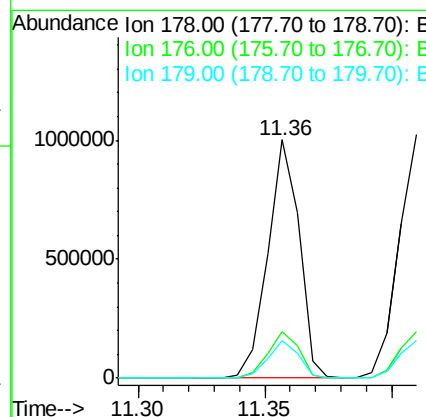
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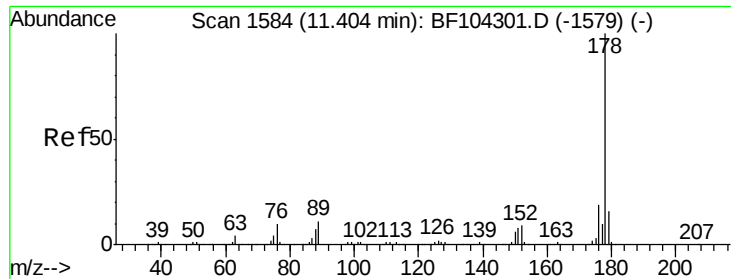
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#70
 Phenanthrene
 Concen: 36.611 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6





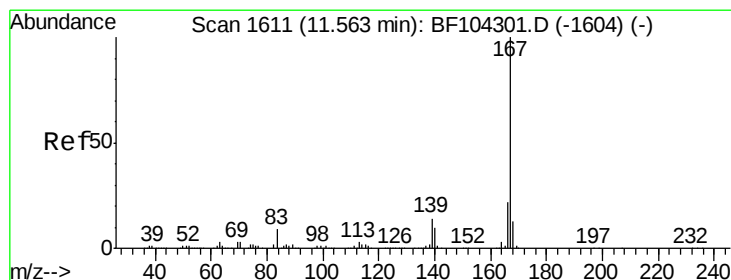
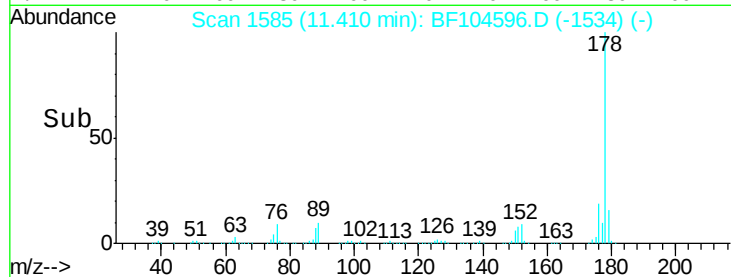
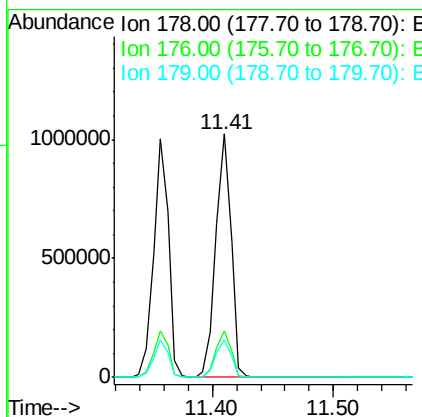
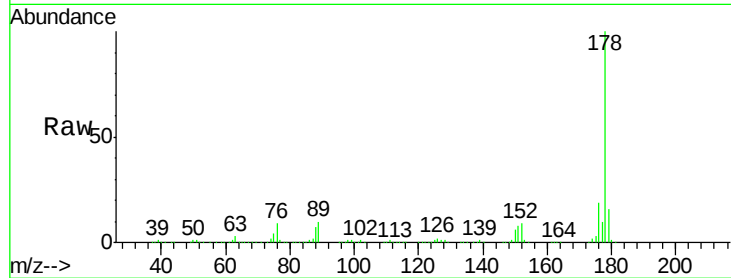
#71
 Anthracene
 Concen: 37.029 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ion	Ratio	Lower	Upper
884414	178	100		
	176	19.3	15.4	23.2
	179	15.6	12.6	19.0

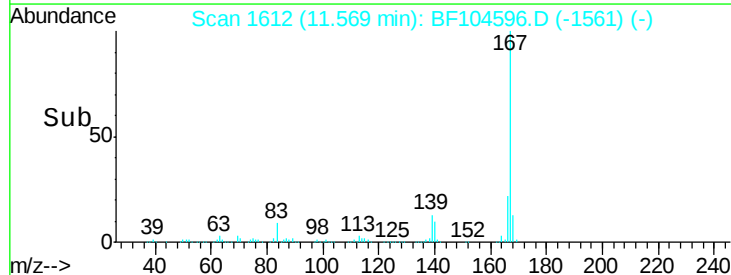
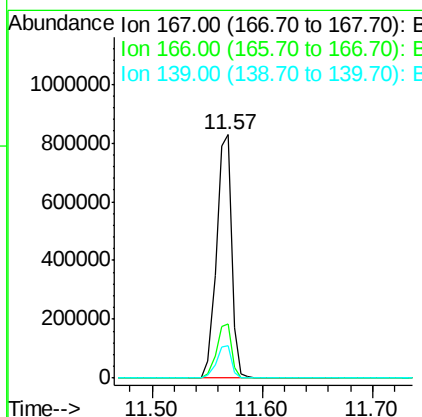
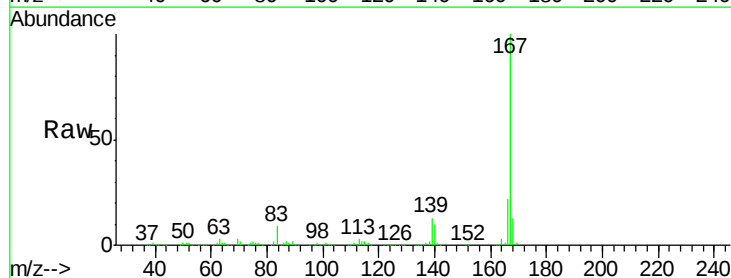
Manual Integrations
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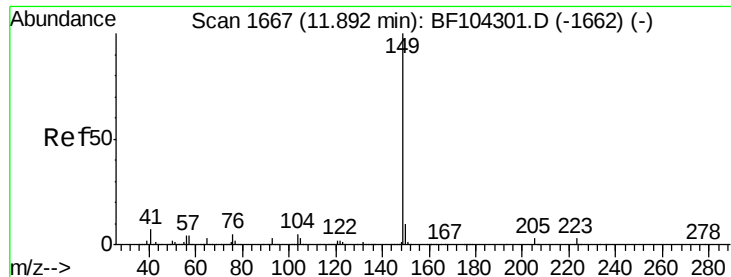
Sohil
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#72
 Carbazole
 Concen: 33.789 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
788606	167	100		
	166	22.2	17.6	26.4
	139	13.4	10.9	16.3





#73

Di-n-butylphthalate

Concen: 35.340 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

ClientSampleId :

NAA-WS-006MSD

Tot Ion:149 Resp: 1007547

Ion Ratio Lower Upper

149 100

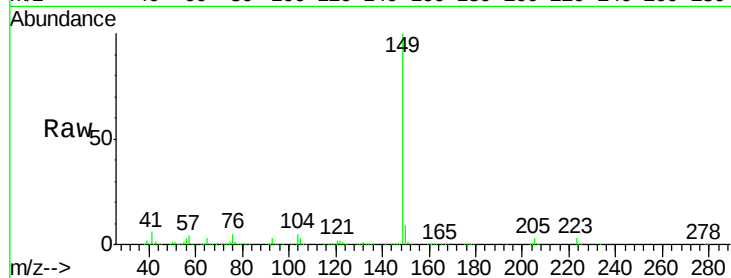
150 9.2 7.8 11.6

104 4.6 3.8 5.8

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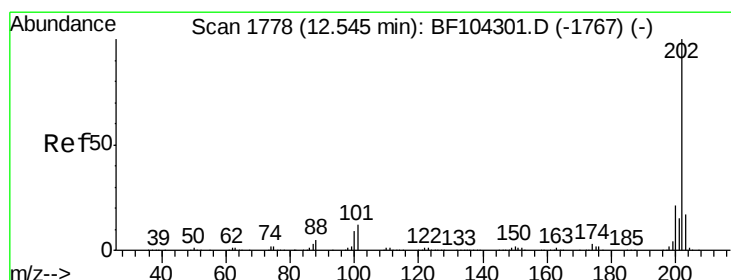
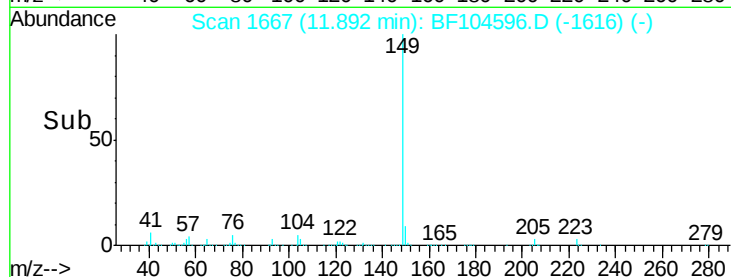
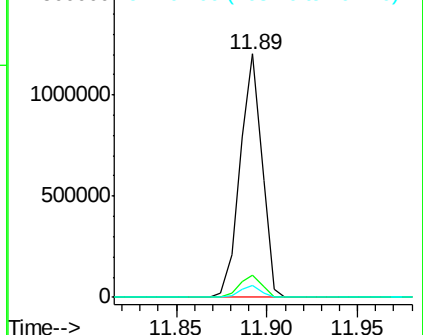
4/19/2018 12:42:53 PM



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: 33.696 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

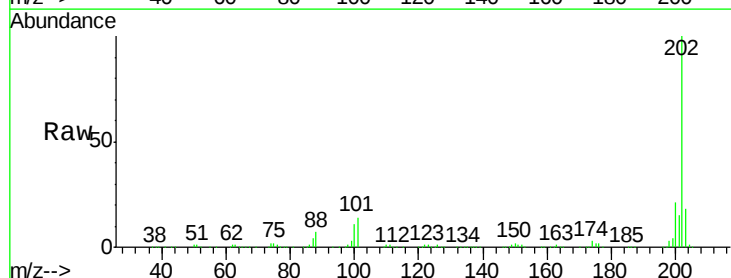
Tgt Ion:202 Resp: 827214

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

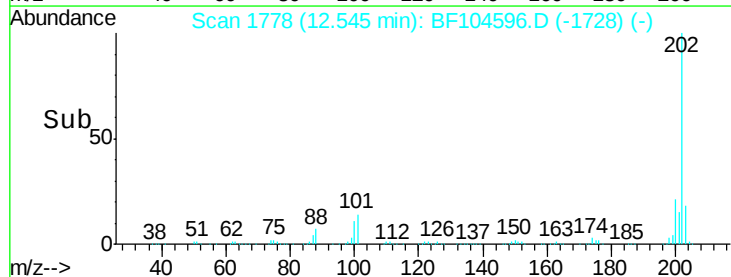
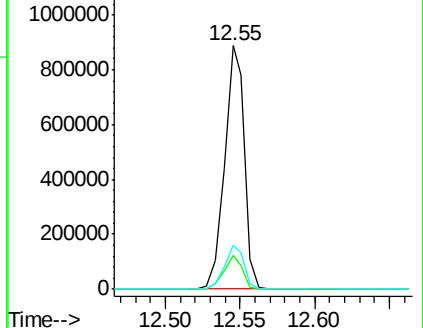
203 17.8 0.0 38.1

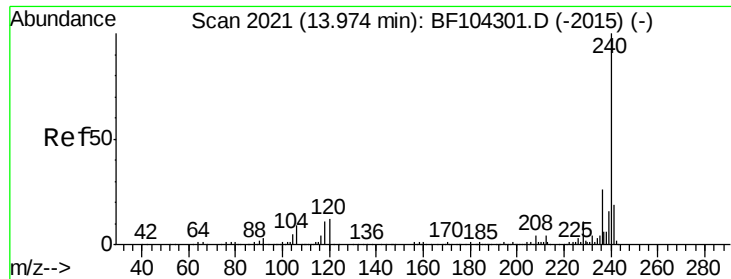


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

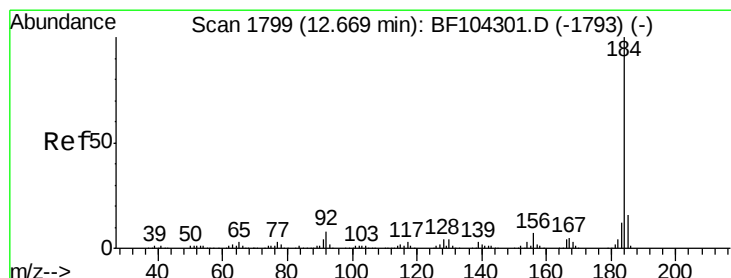
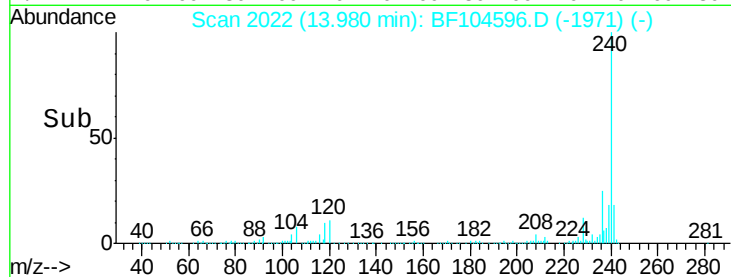
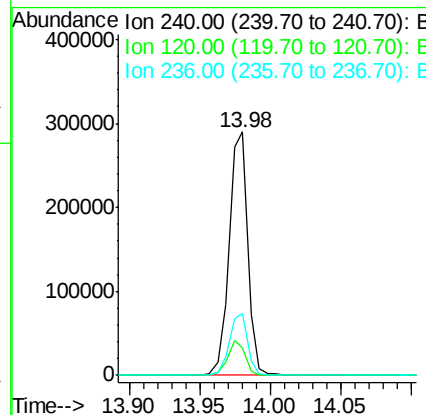
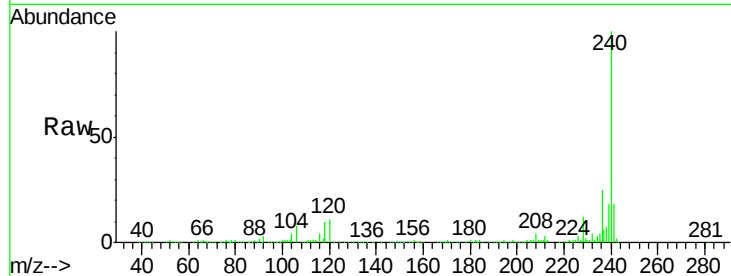
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	240	Resp:	265229
Ion Ratio		Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
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#76

Benzidine

Concen: 27.208 ng

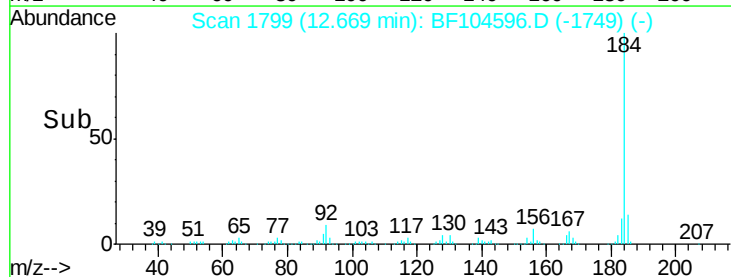
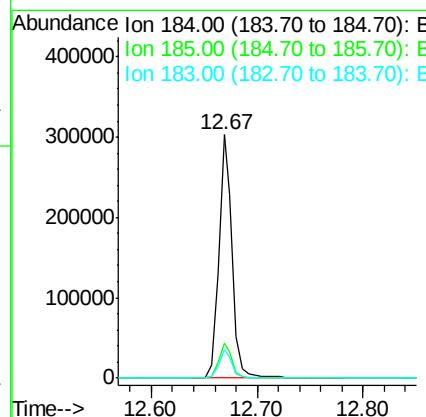
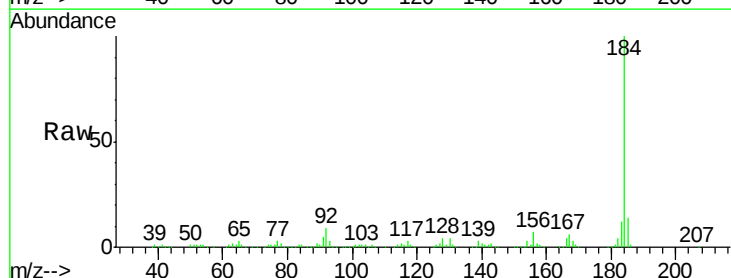
RT: 12.67 min Scan# 1799

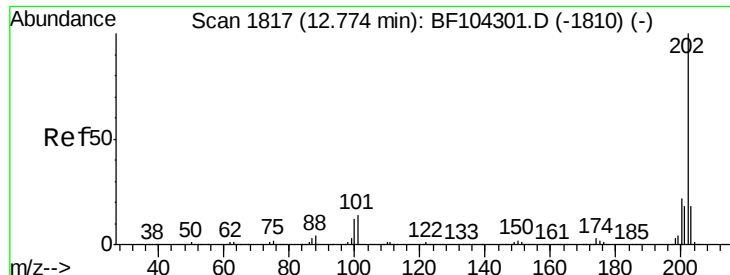
Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	184	Resp:	270401
Ion Ratio		Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.8	9.3	13.9





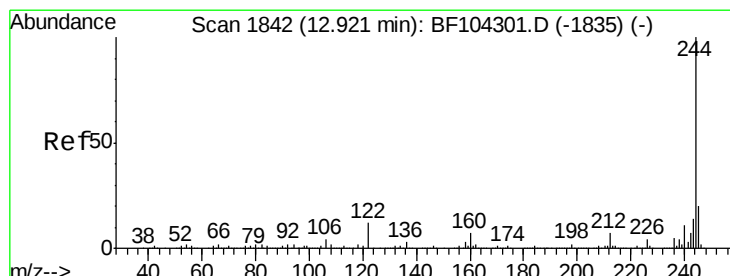
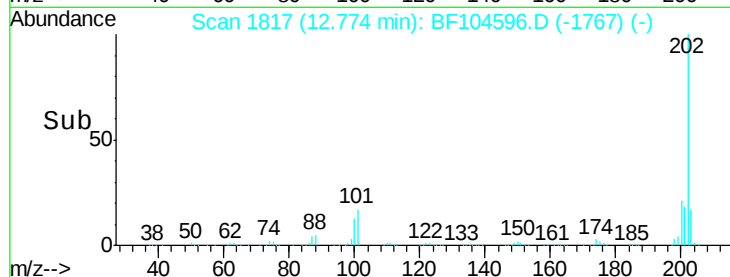
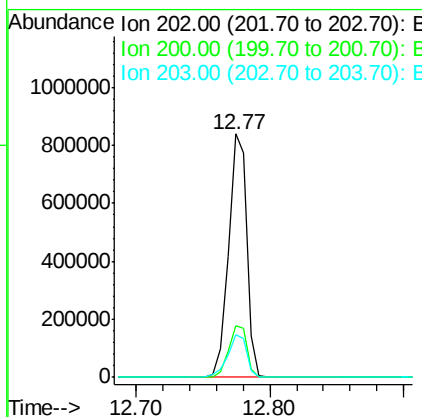
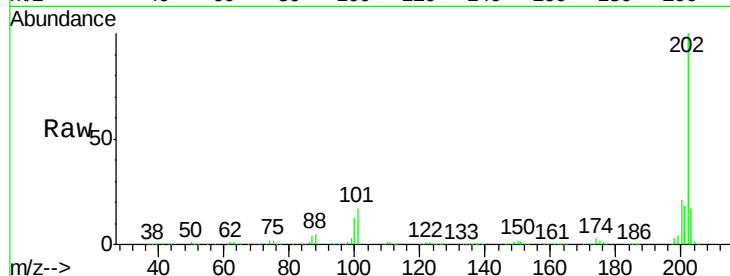
#77
Pvrene
Concen: 41.308 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

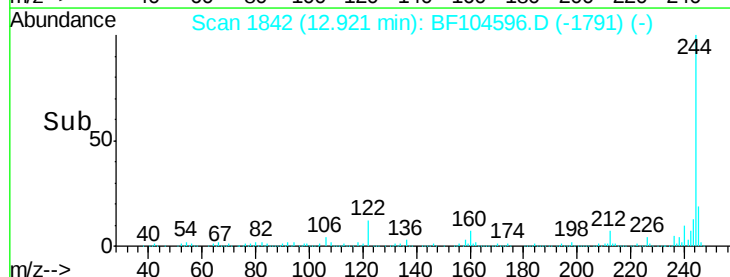
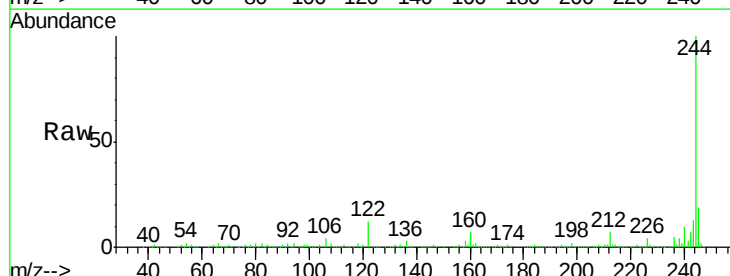
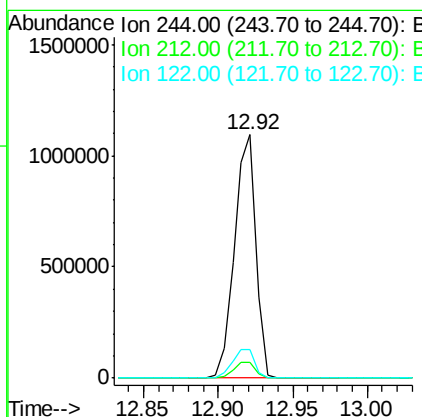
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#78
Terphenyl-d14
Concen: 94.800 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4





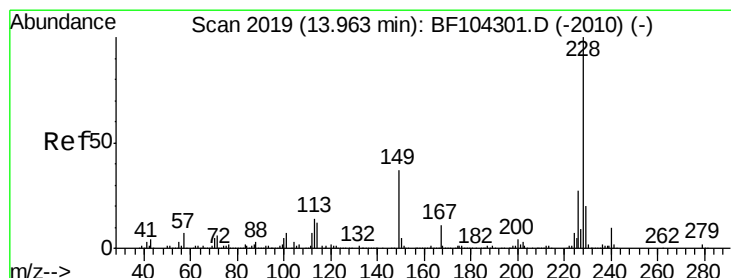
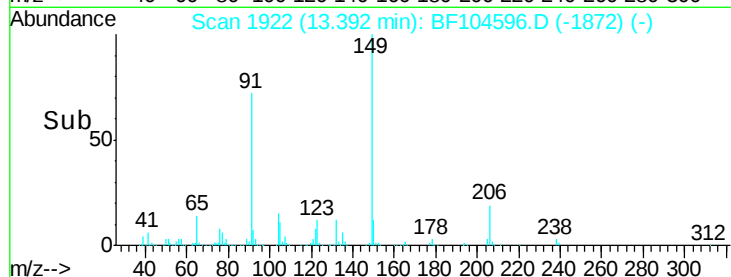
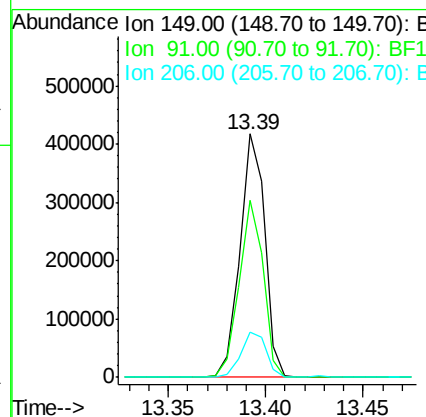
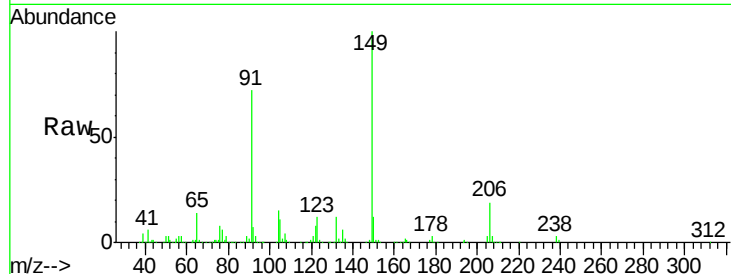
#79
Butylbenzylphthalate
Concen: 39.703 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.5	56.8	85.2
206	18.6	14.1	21.1

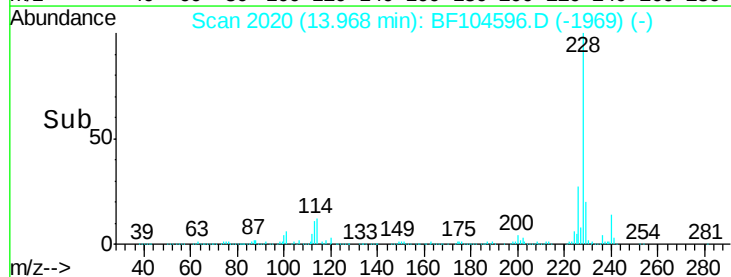
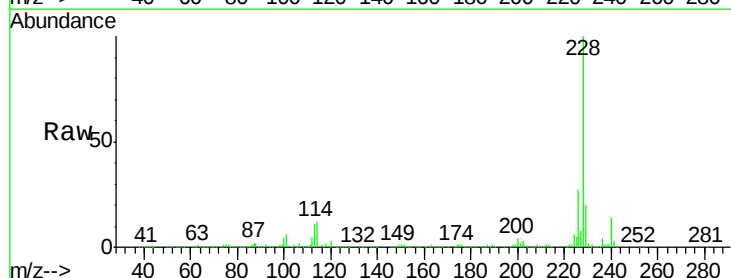
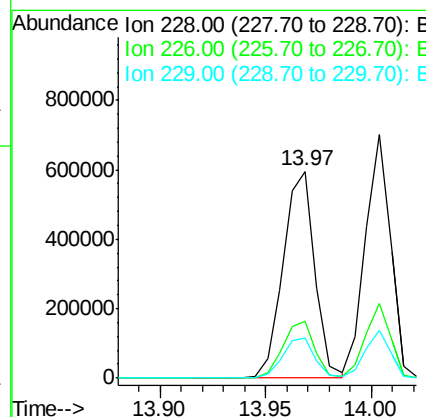
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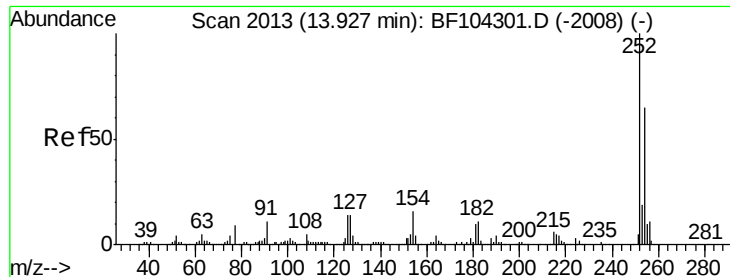
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#80
Benzo(a)anthracene
Concen: 39.149 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.7	15.8	23.6





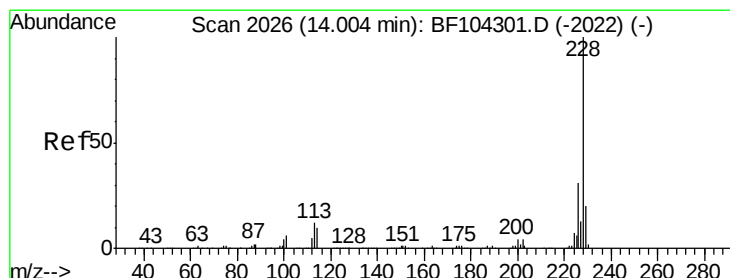
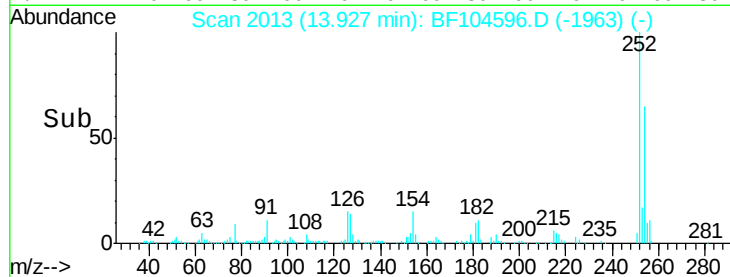
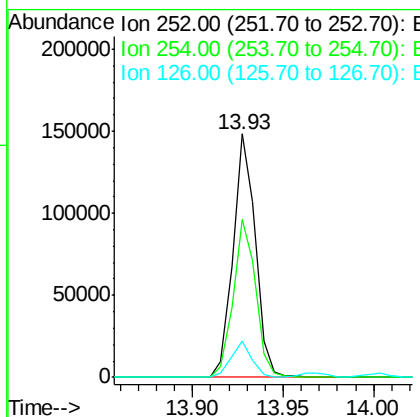
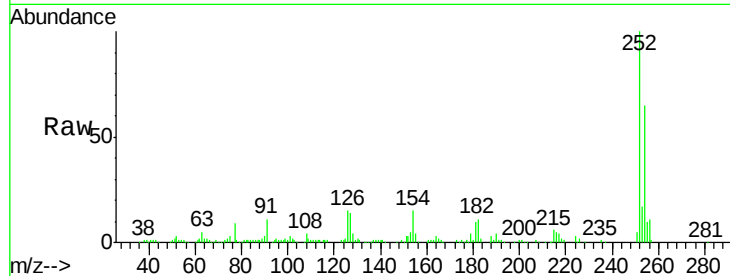
#81
 3,3'-Dichlorobenzidine
 Concen: 21.557 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.8	50.4	75.6
126	14.9	11.3	16.9

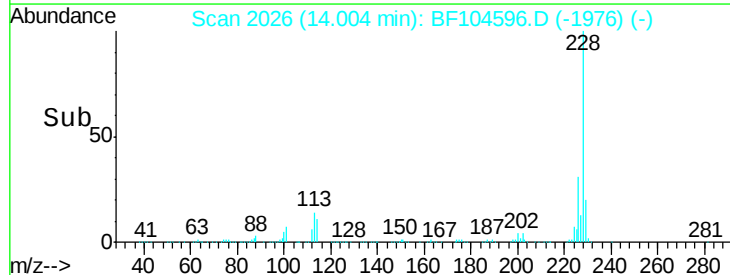
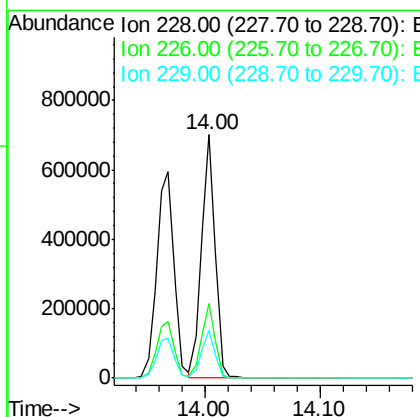
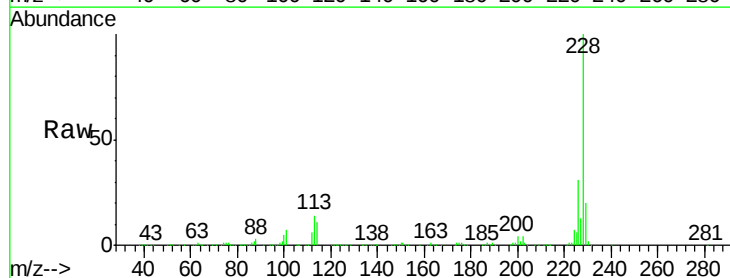
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#82
 Chrysene
 Concen: 36.343 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.7	25.0	37.6
229	19.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.269 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

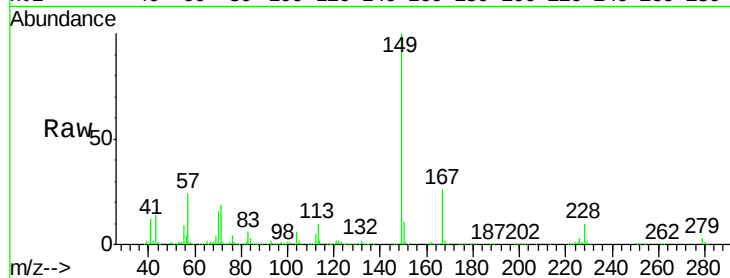
ClientSampleId :

NAA-WS-006MSD

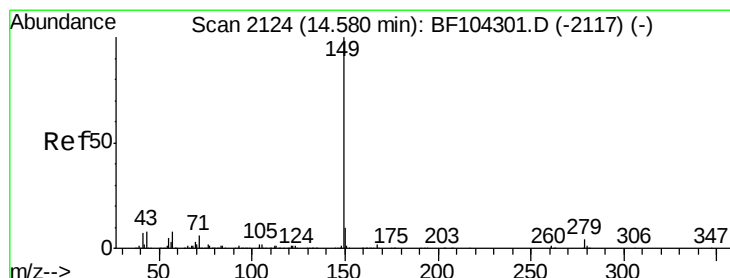
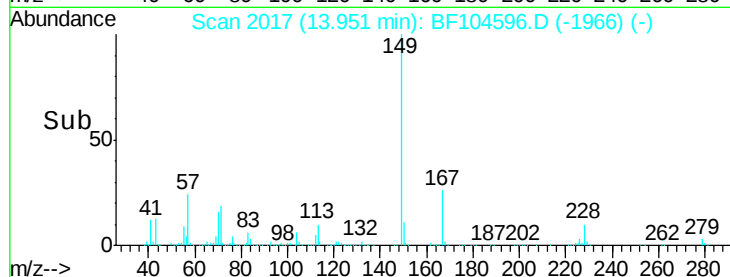
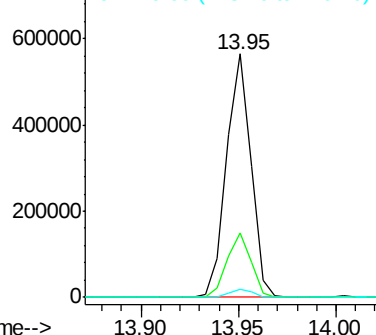
Tot Ion:	149	Resp:	491647
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.3	31.9
279	3.4	3.0	4.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 37.734 ng

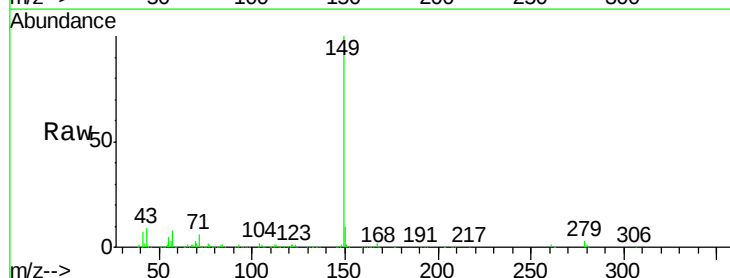
RT: 14.57 min Scan# 2122

Delta R.T. -0.01 min

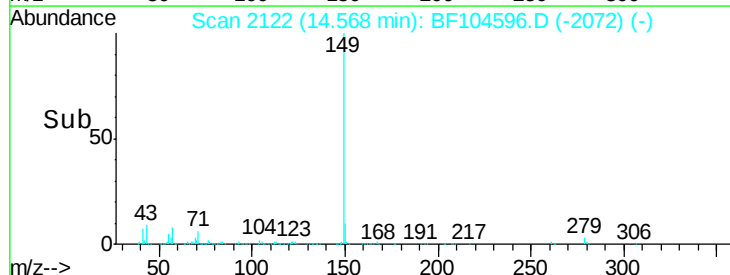
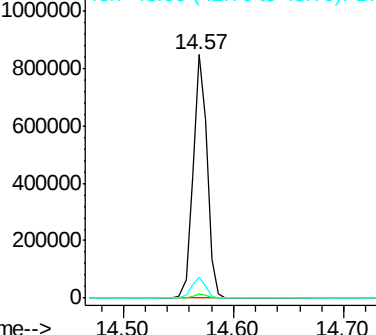
Lab File: BF104596.D

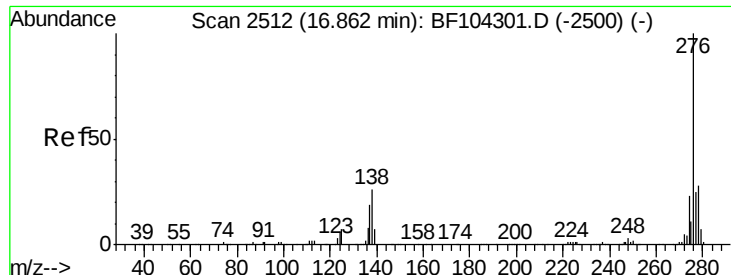
Acq: 18 Apr 2018 12:51

Tgt Ion:	149	Resp:	751134
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	8.3	8.4	12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





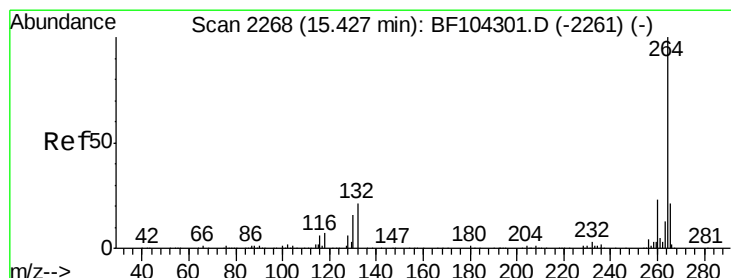
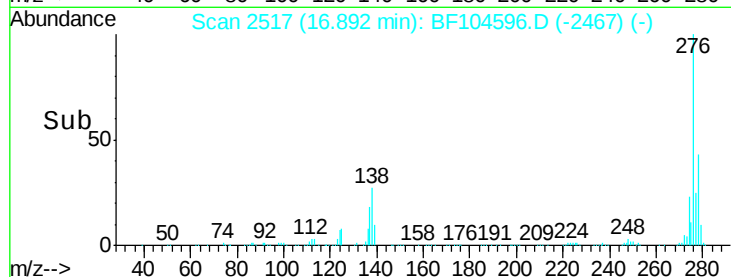
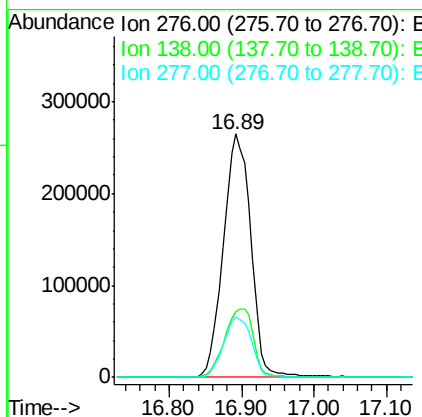
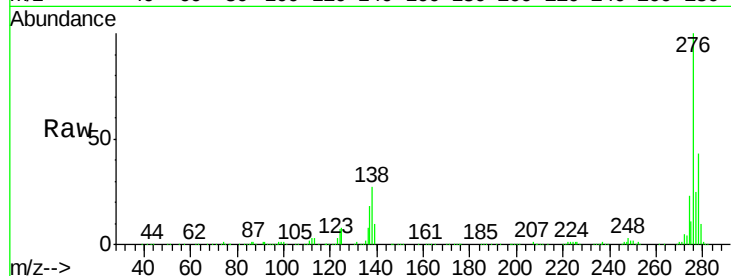
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.689 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	25.4	20.1	30.1

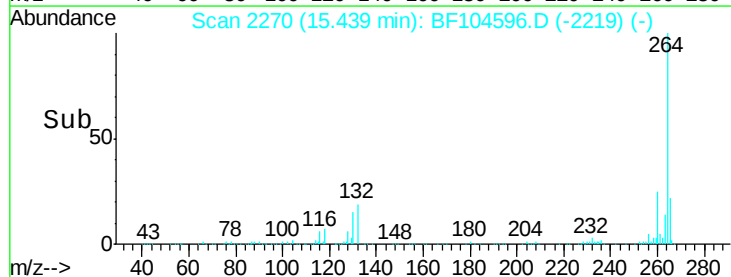
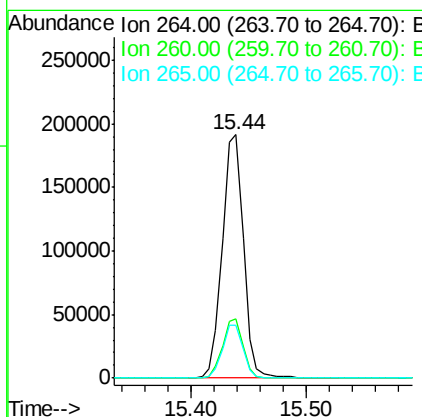
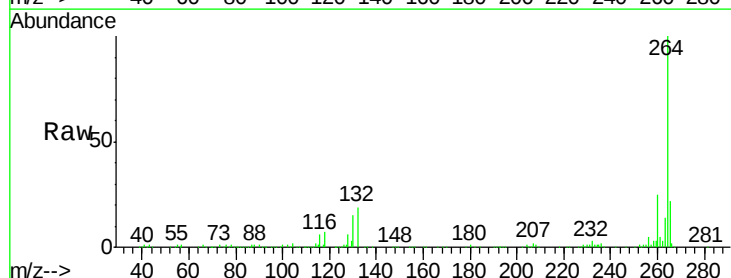
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 35.511 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Instrument :

BNA_F

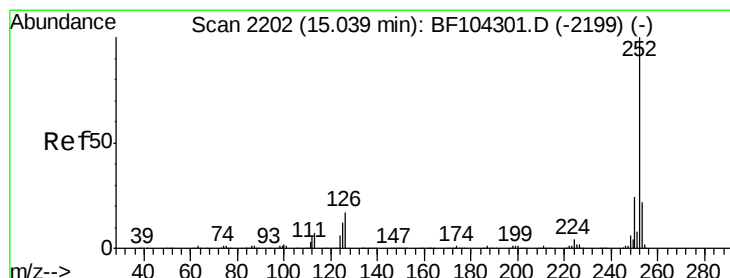
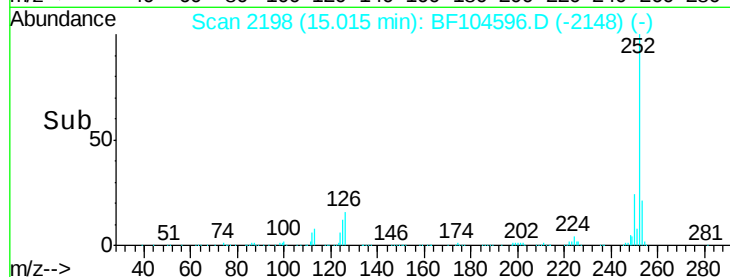
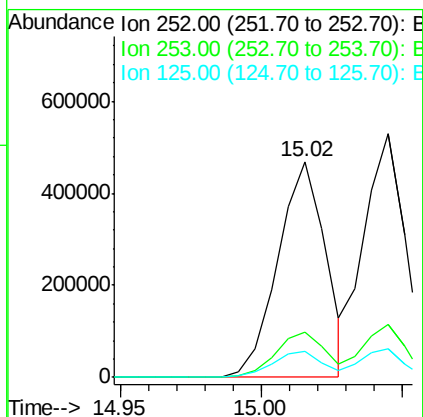
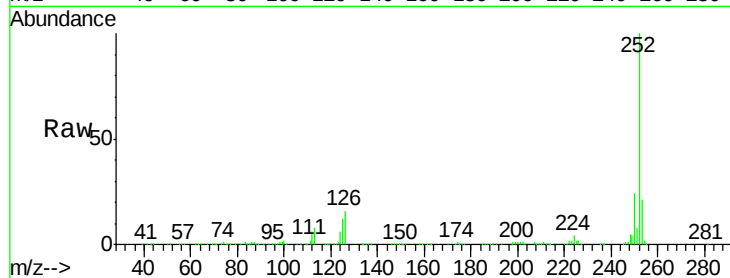
ClientSampleId :

NAA-WS-006MSD

Tot Ion:	252	Resp:	548584
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.0	25.6
125	12.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 37.108 ng

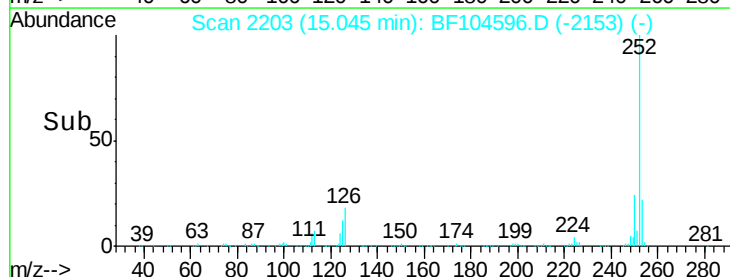
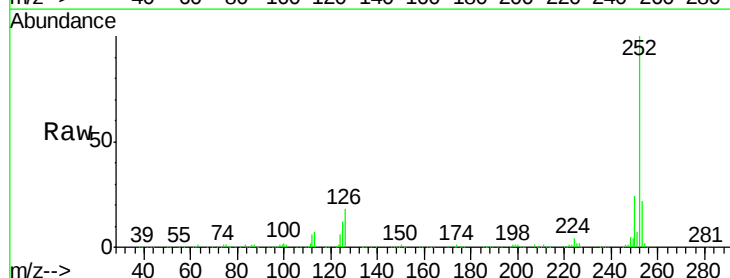
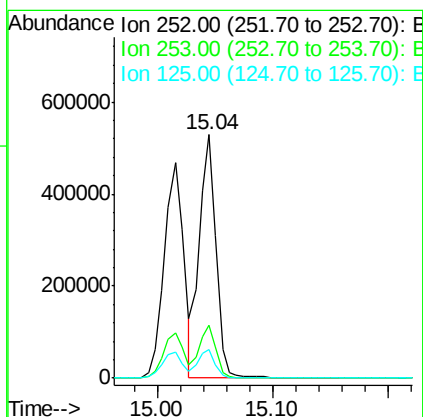
RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF104596.D

Acq: 18 Apr 2018 12:51

Tgt Ion:	252	Resp:	541209
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.9	26.9
125	11.8	10.2	15.2





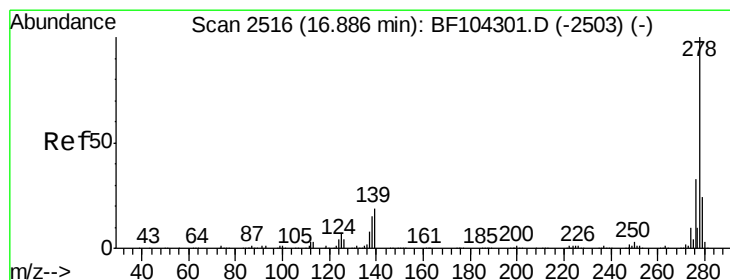
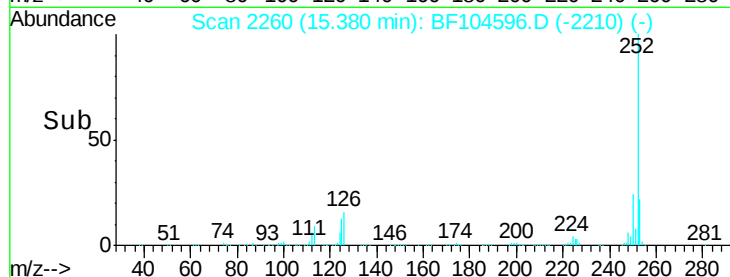
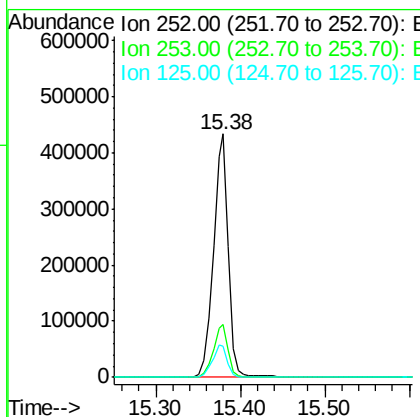
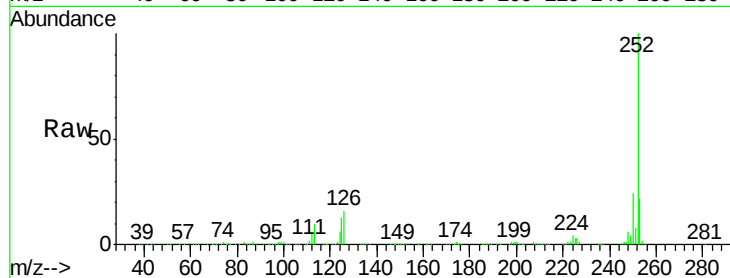
#89
Benzo(a)pyrene
Concen: 39.090 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	13.0	9.8	14.6

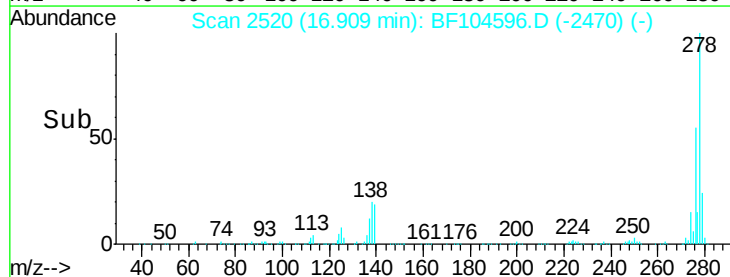
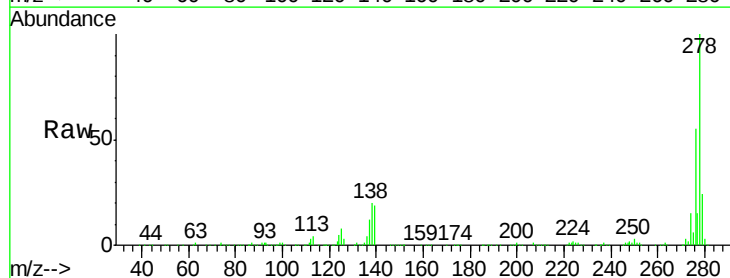
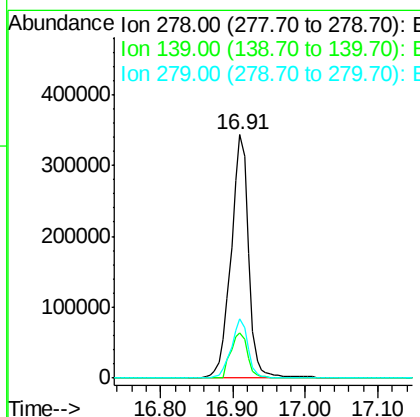
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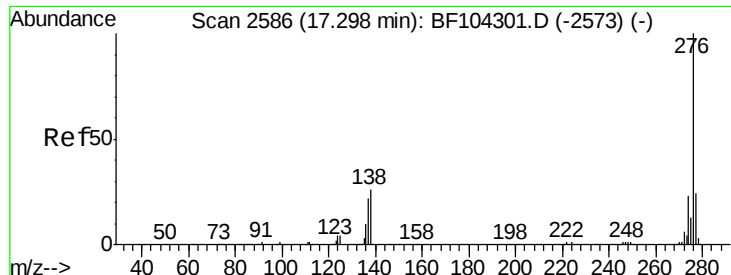
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#90
Dibenzo(a,h)anthracene
Concen: 51.309 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104596.D
Acq: 18 Apr 2018 12:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	24.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 55.140 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.01 min
 Lab File: BF104596.D
 Acq: 18 Apr 2018 12:51

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MSD

Tot Ion:	276	Resp:	606462
Ion Ratio		Lower	Upper
276	100		
277	24.7	17.9	26.9
138	26.4	21.8	32.8

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