

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104580.D
 Acq On : 17 Apr 2018 23:42
 Operator : JU/SJ
 Sample : J2408-02MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Manual Integrations
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 4/18/2018 3:01:14 PM

Quant Time: Apr 18 02:27:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140902	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	551644	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	223854	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	338150	20.00	ng	0.00
75) Chrysene-d12	13.98	240	277629	20.00	ng	0.00
86) Perylene-d12	15.44	264	209099	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	563734	61.18	ng	0.00
7) Phenol-d6	6.44	99	689726	60.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	419138	49.61	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	133576	57.52	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	731034	51.59	ng	0.00
78) Terphenyl-d14	12.92	244	558135	45.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	80262	18.693	ng	89
3) Pyridine	3.30	79	193721	16.047	ng	# 86
4) n-Nitrosodimethylamine	3.24	42	85515	20.264	ng	# 80
6) Aniline	6.47	93	222012	14.114	ng	95
8) 2-Chlorophenol	6.59	128	213605	21.962	ng	93
9) Benzaldehyde	6.35	77	129785	18.859	ng	98
10) Phenol	6.46	94	276032	22.977	ng	96
11) bis(2-Chloroethyl)ether	6.54	93	202204	21.092	ng	96
12) 1,3-Dichlorobenzene	6.75	146	224764	20.399	ng	98
13) 1,4-Dichlorobenzene	6.82	146	228787	20.830	ng	100
14) 1,2-Dichlorobenzene	6.97	146	214849	21.108	ng	98
15) Benzyl Alcohol	6.95	79	175946	20.460	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.08	45	257324	19.987	ng	91
17) 2-Methylphenol	7.06	107	173165	20.482	ng	97
18) Hexachloroethane	7.32	117	63226	16.145	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	136468	18.445	ng	92
20) 3+4-Methylphenols	7.22	107	211594	20.180	ng	# 67
22) Acetophenone	7.21	105	280637	20.664	ng	# 96
24) Nitrobenzene	7.39	77	214234	22.969	ng	99
25) Isophorone	7.62	82	374254	20.949	ng	96
26) 2-Nitrophenol	7.70	139	99967	26.327	ng	97
27) 2,4-Dimethylphenol	7.74	122	174316	22.109	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	249164	22.812	ng	98
29) 2,4-Dichlorophenol	7.95	162	165559	22.008	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	171314	20.750	ng	99
31) Naphthalene	8.11	128	582259	21.197	ng	99
32) Benzoic acid	7.80	122	15748m	2.503	ng	
33) 4-Chloroaniline	8.16	127	161312	13.708	ng	96
34) Hexachlorobutadiene	8.22	225	91923	20.328	ng	99
35) Caprolactam	8.50	113	43394	16.535	ng	# 82
36) 4-Chloro-3-methylphenol	8.64	107	165935	20.571	ng	99
37) 2-Methylnaphthalene	8.80	142	375199	21.116	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	156258	24.385	ng	99
42) 2,4,6-Trichlorophenol	9.08	196	101636	22.848	ng	98

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 ClientSampleID :
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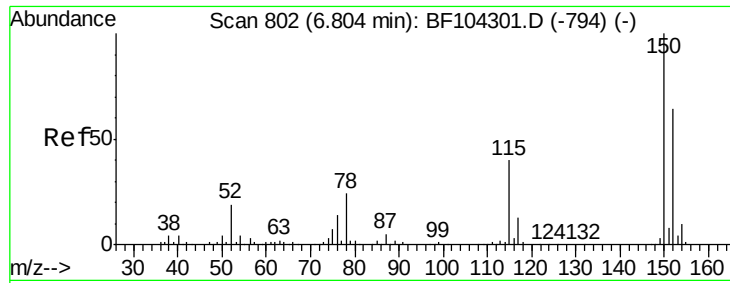
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.12	196	105373	21.168	nq	96
45) 1,1'-Biphenyl	9.26	154	428849	22.805	nq	99
46) 2-Chloronaphthalene	9.29	162	327576	22.053	nq	98
47) 2-Nitroaniline	9.39	65	95266	25.934	nq	97
48) Acenaphthylene	9.70	152	484378	20.784	nq	99
49) Dimethylphthalate	9.56	163	442675	25.077	nq	100
50) 2,6-Dinitrotoluene	9.63	165	78937	24.166	nq	97
51) Acenaphthene	9.87	154	279357	19.646	nq	99
52) 3-Nitroaniline	9.80	138	70663	18.479	nq	97
53) 2,4-Dinitrophenol	9.90	184	7712	13.286	nq	# 23
54) Dibenzofuran	10.05	168	421714	21.281	nq	98
55) 4-Nitrophenol	9.96	139	117889	39.246	nq	93
56) 2,4-Dinitrotoluene	10.03	165	93923	21.921	nq	# 89
57) Fluorene	10.39	166	315741	21.891	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.17	232	73615	19.823	nq	93
59) Diethylphthalate	10.26	149	353190	20.089	nq	99
60) 4-Chlorophenyl-phenylether	10.39	204	149390	23.257	nq	92
61) 4-Nitroaniline	10.41	138	72219	19.315	nq	92
62) Azobenzene	10.54	77	311725	18.559	nq	94
64) 4,6-Dinitro-2-methylphenol	10.44	198	11523	13.273	nq	81
65) n-Nitrosodiphenylamine	10.50	169	278473	23.751	nq	100
66) 4-Bromophenyl-phenylether	10.87	248	83182	23.126	nq	91
67) Hexachlorobenzene	10.94	284	90349	22.324	nq	92
68) Atrazine	11.03	200	83025	23.460	nq	99
69) Pentachlorophenol	11.13	266	73461	29.340	nq	99
70) Phenanthrene	11.36	178	406988	21.612	nq	99
71) Anthracene	11.41	178	420844	21.985	nq	99
72) Carbazole	11.56	167	381571	20.399	nq	99
73) Di-n-butylphthalate	11.89	149	495291	21.676	nq	98
74) Fluoranthene	12.54	202	404988	20.584	nq	99
76) Benzidine	12.67	184	278838	26.674	nq	97
77) Pyrene	12.77	202	414170	20.126	nq	100
79) Butylbenzylphthalate	13.39	149	198041	20.427	nq	98
80) Benzo(a)anthracene	13.97	228	369323	22.267	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	140547	22.727	nq	99
82) Chrysene	14.00	228	354472	20.807	nq	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	282029	22.616	nq	100
84) Di-n-octyl phthalate	14.57	149	475029	22.798	nq	95
85) Indeno(1,2,3-cd)pyrene	16.89	276	246004	16.999	nq	98
87) Benzo(b)fluoranthene	15.01	252	305595	23.140	nq	98
88) Benzo(k)fluoranthene	15.04	252	278273	22.319	nq	99
89) Benzo(a)pyrene	15.37	252	258821	21.904	nq	98
90) Dibenzo(a,h)anthracene	16.90	278	207708	21.403	nq	98
91) Benzo(g,h,i)perylene	17.32	276	201329	21.413	nq	96

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



#1

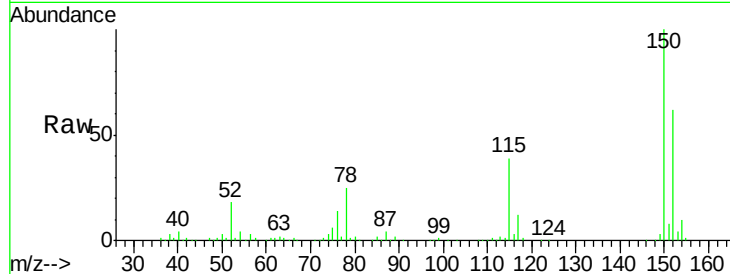
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

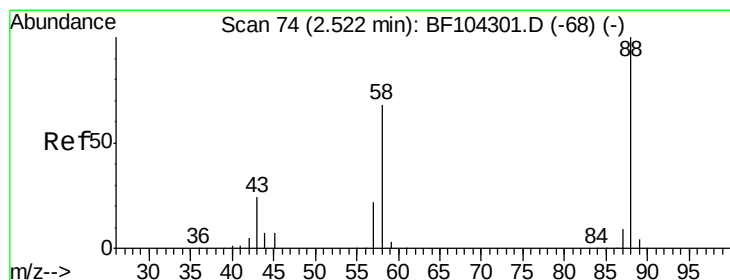
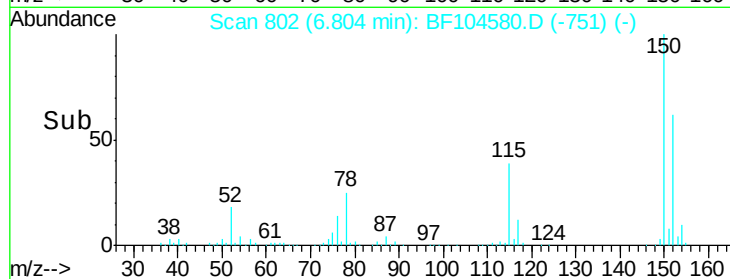
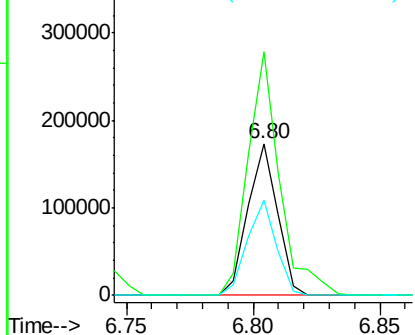
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	62.9	50.1	75.1

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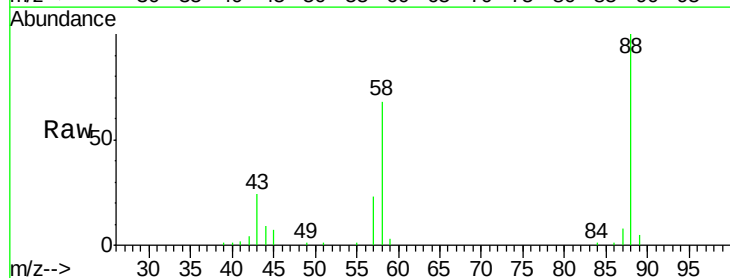
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



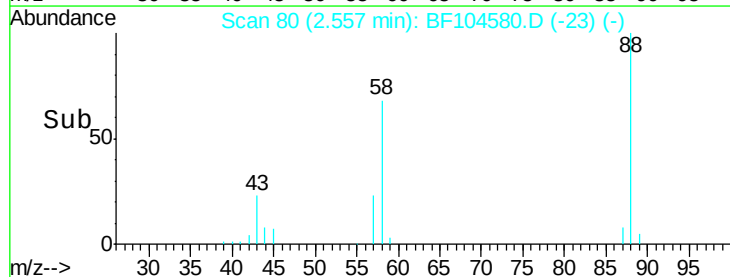
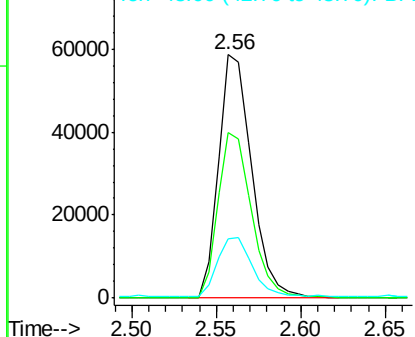
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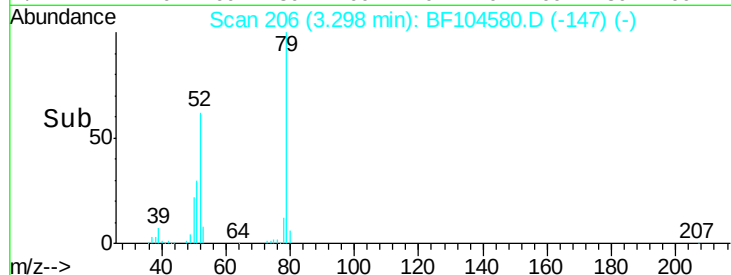
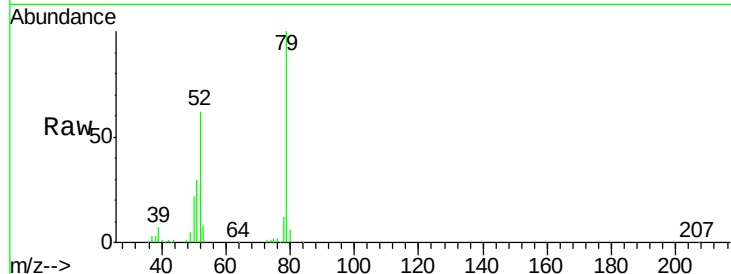
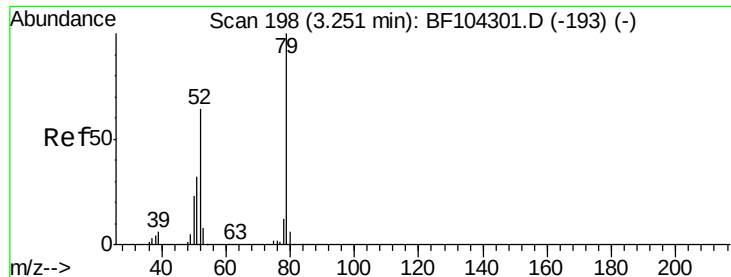
1,4-Dioxane
Concen: 18.693 ng
RT: 2.56 min Scan# 80
Delta R.T. 0.04 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	62.6	93.8
43	25.4	24.6	37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





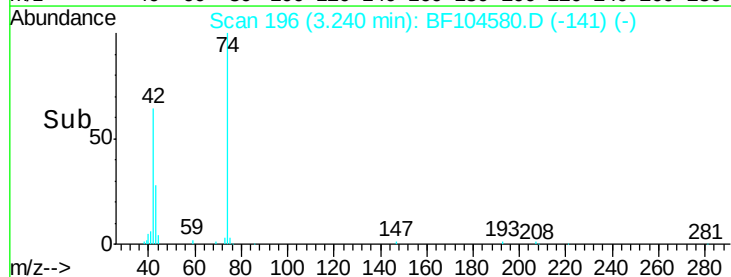
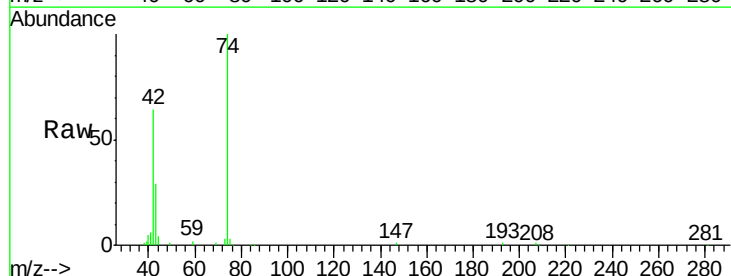
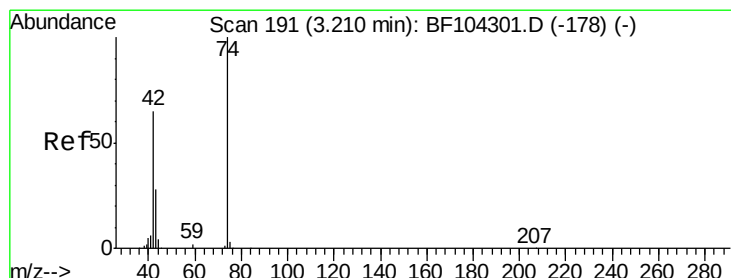
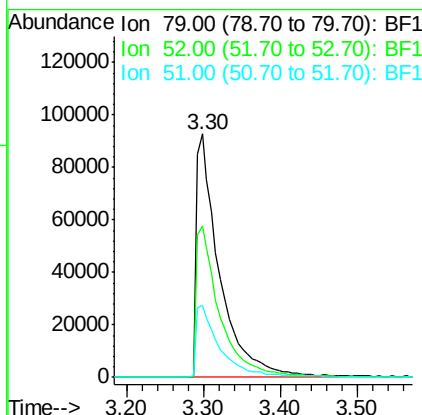
#3
 Pvridine
 Concen: 16.047 ng
 RT: 3.30 min Scan# 206
 Delta R.T. 0.05 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		193721		
52	62.4	59.8	89.6		
51	29.5	29.8	44.8#		

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

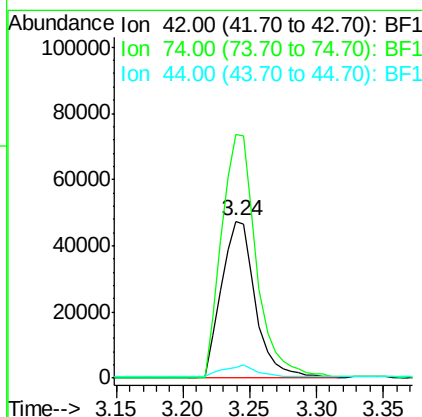
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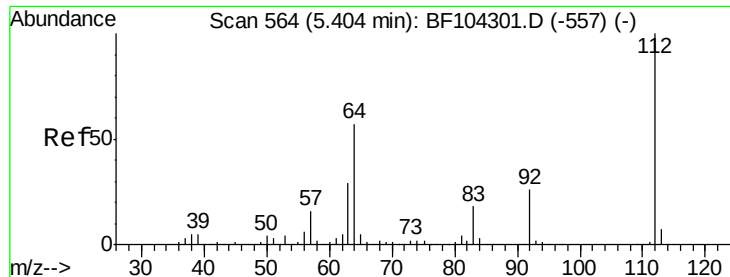
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#4
 n-Nitrosodimethylamine
 Concen: 20.264 ng
 RT: 3.24 min Scan# 196
 Delta R.T. 0.02 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		85515		
74	155.1	104.9	157.3		
44	6.8	6.9	10.3#		





#5

2-Fluorophenol

Concen: 61.176 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

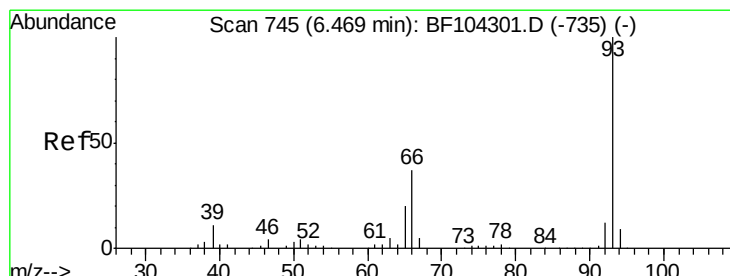
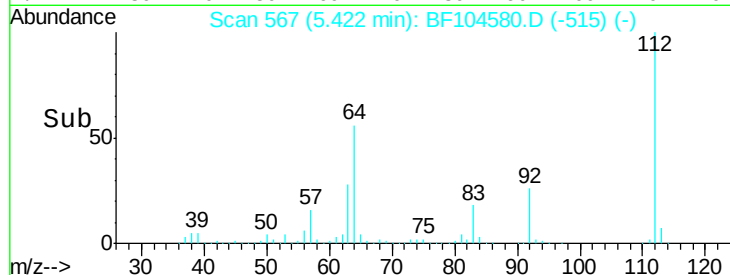
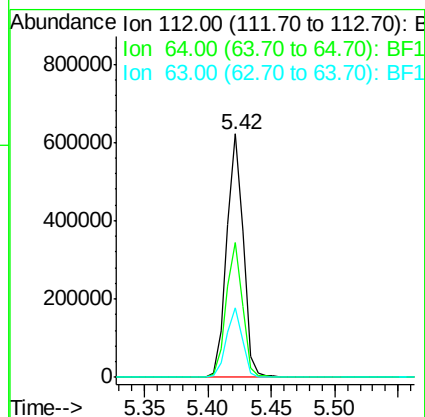
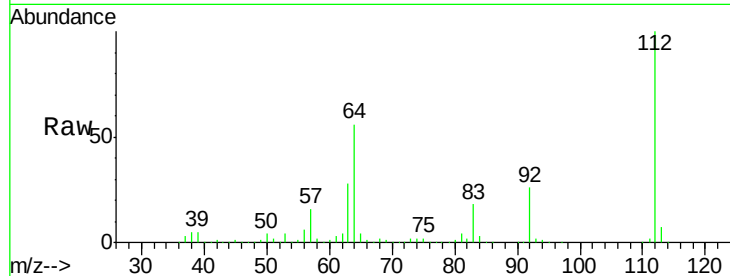
ClientSampleId :

NAA-WS-005MS

Tot Ion:	112	Resp:	563734
Ion Ratio	Lower	Upper	
112	100		
64	55.6	47.9	71.9
63	28.5	23.7	35.5

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#6

Aniline

Concen: 14.114 ng

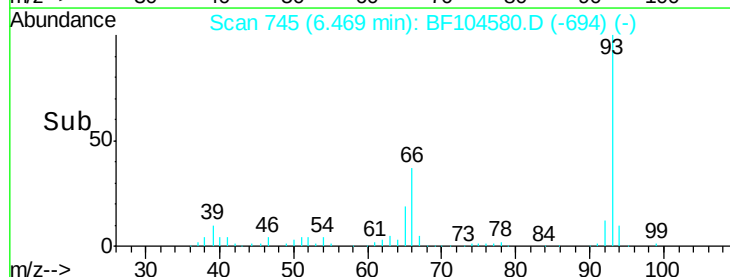
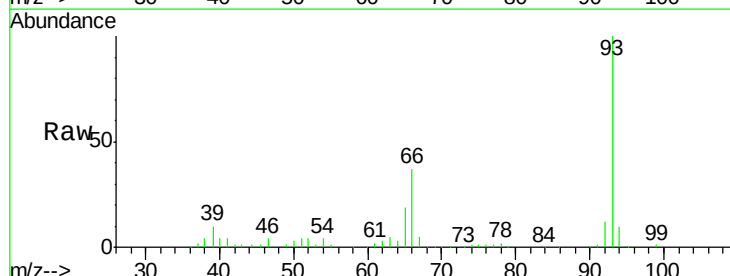
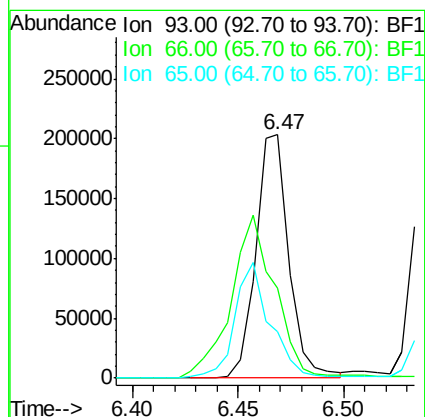
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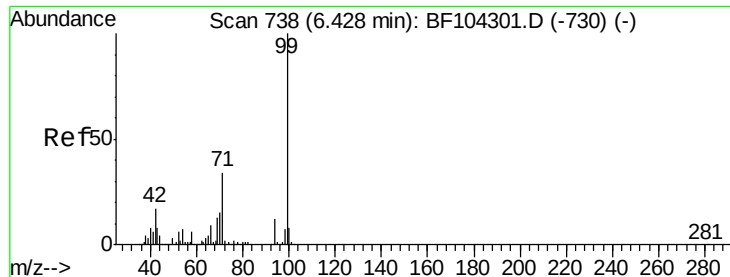
Delta R.T. -0.00 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Tgt Ion:	93	Resp:	222012
Ion Ratio	Lower	Upper	
93	100		
66	37.0	32.2	48.2
65	18.9	16.4	24.6





#7

Phenol-d6

Concen: 60.918 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

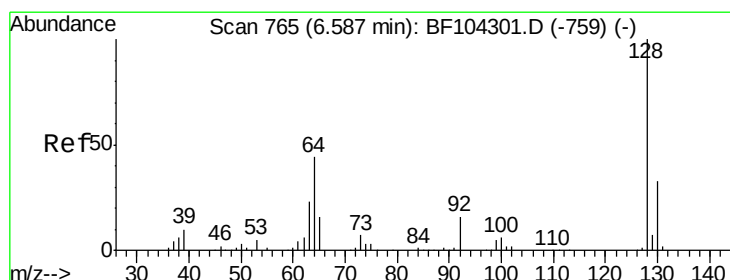
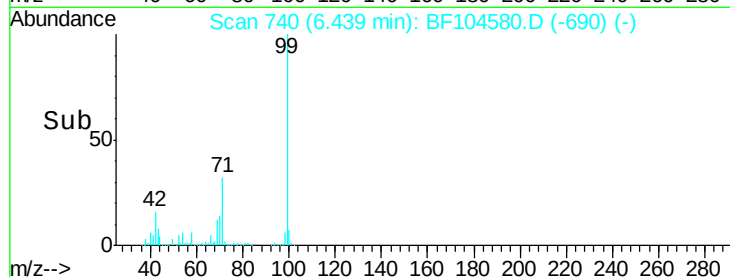
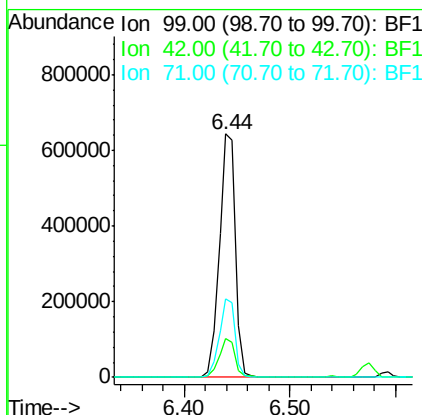
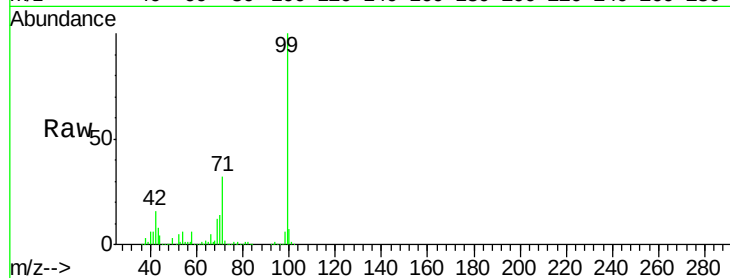
ClientSampleId :

NAA-WS-005MS

Tot Ion:	99	Resp:	689726
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	32.5	25.4	38.0

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#8

2-Chlorophenol

Concen: 21.962 ng

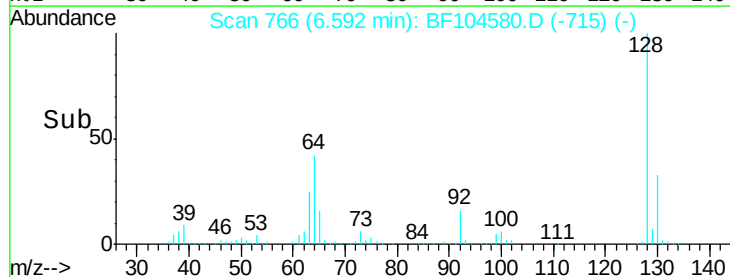
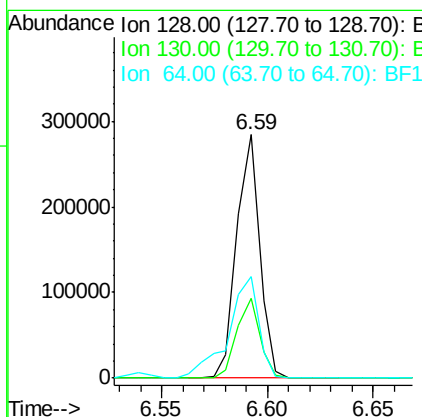
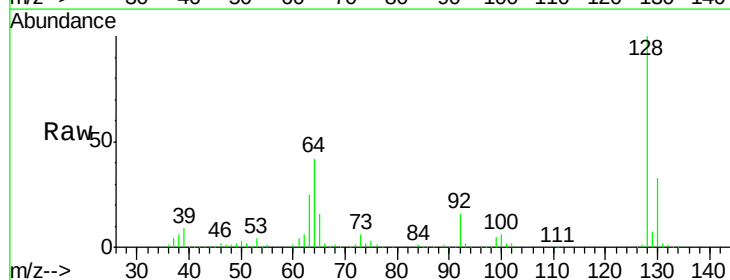
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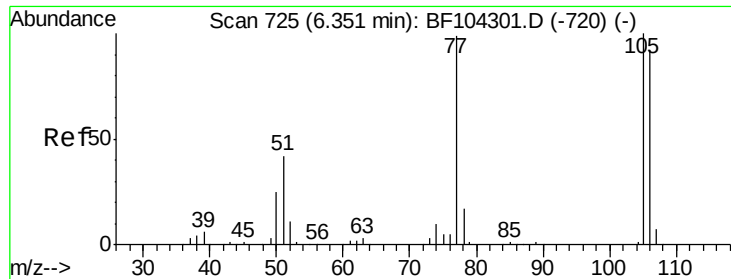
Delta R.T. -0.00 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Tgt Ion:	128	Resp:	213605
Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.0	53.0
64	41.6	29.4	69.4





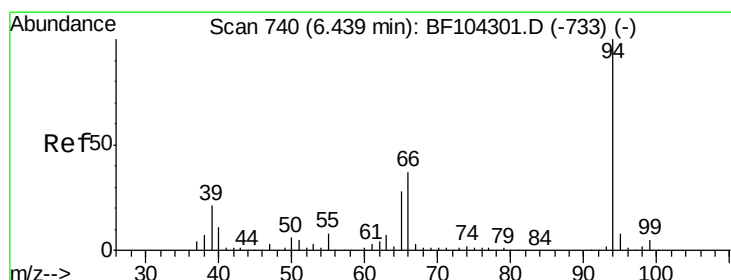
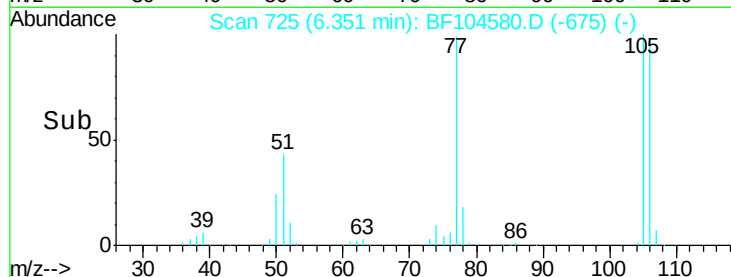
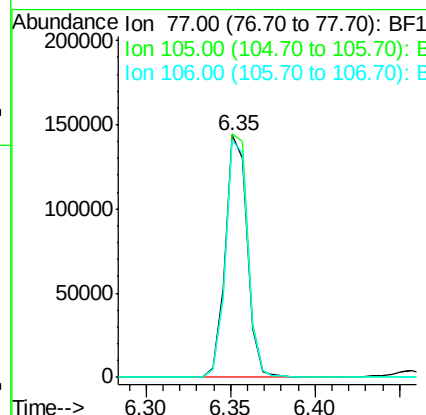
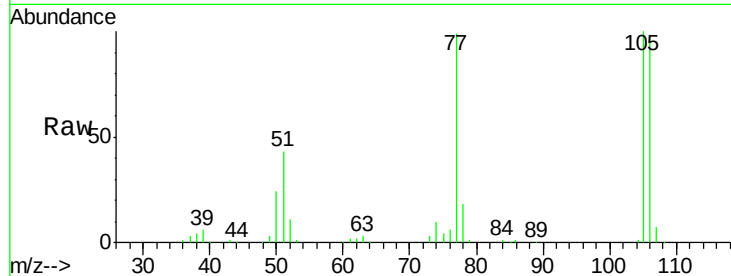
#9
Benzaldehyde
Concen: 18.859 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.5	81.1	121.1
106	97.7	74.5	114.5

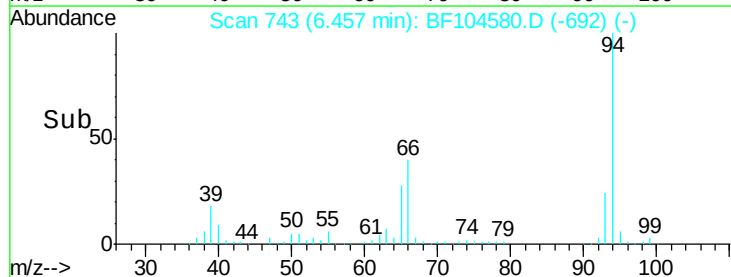
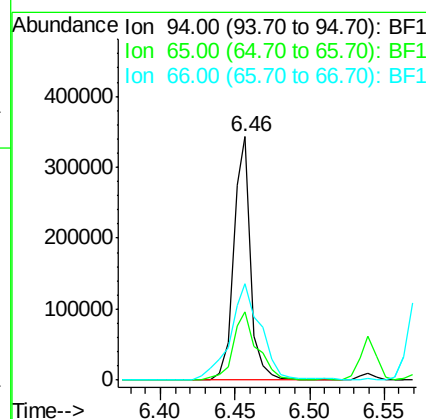
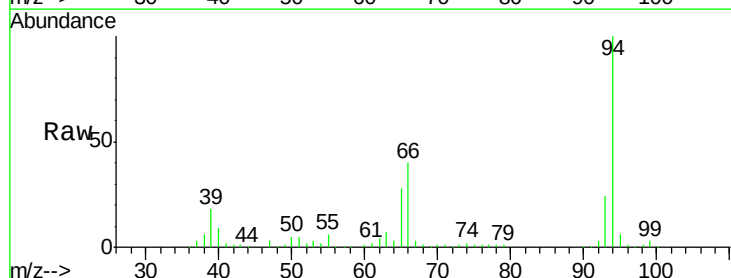
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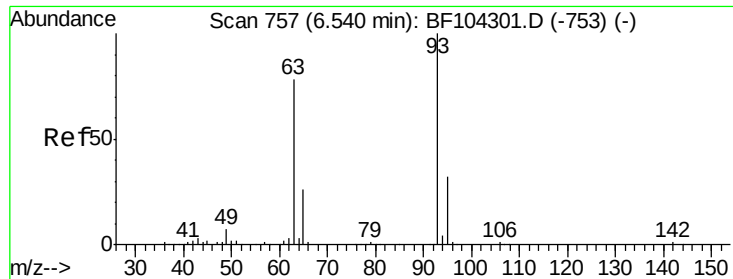
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#10
Phenol
Concen: 22.977 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.1	7.9	47.9
66	39.7	16.2	56.2





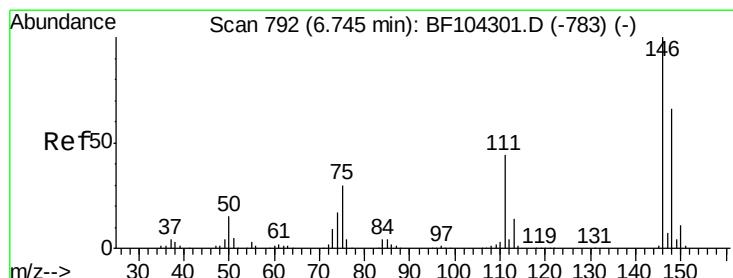
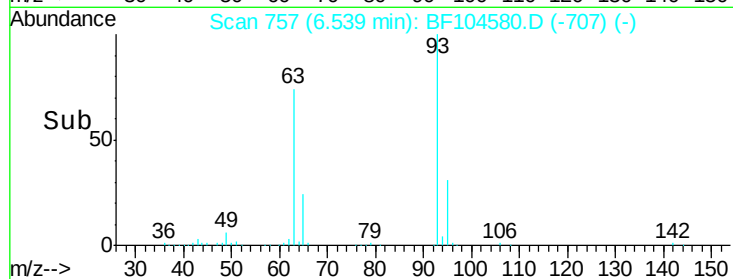
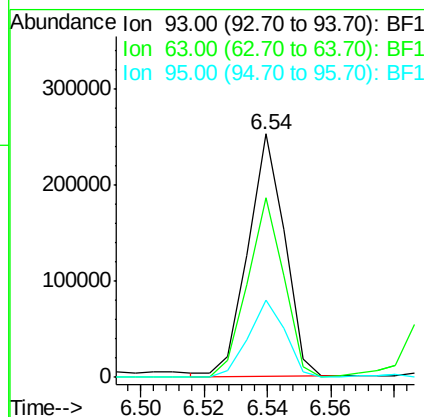
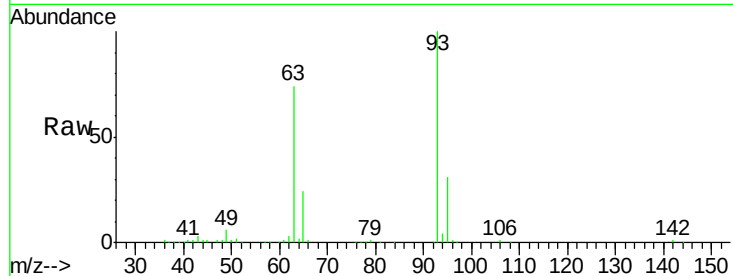
#11
bis(2-Chloroethyl)ether
Concen: 21.092 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	93	Resp	202204
Ion Ratio	Lower	Upper	
93	100		
63	74.0	58.6	98.6
95	31.5	11.8	51.8

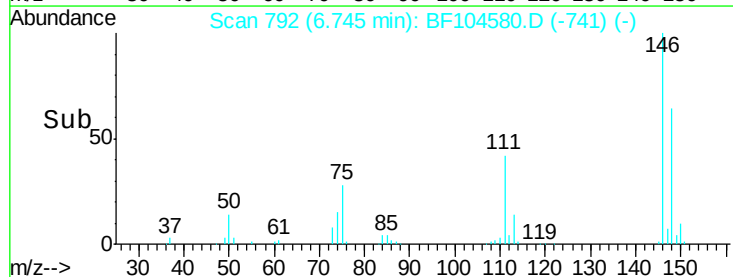
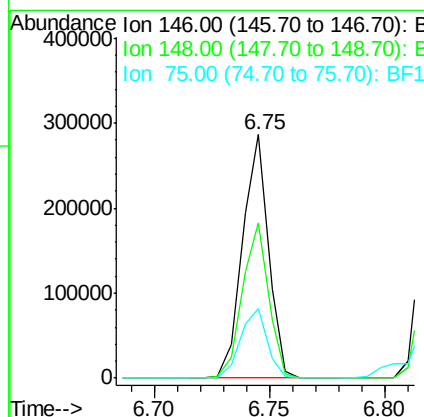
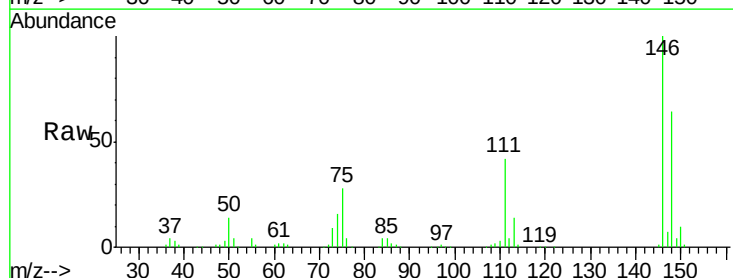
Manual Integrations
APPROVED

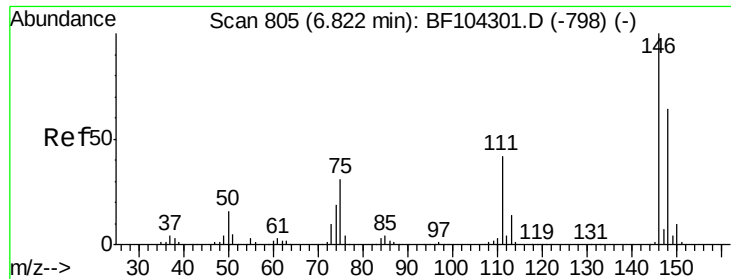
Sohil
4/18/2018 3:01:14 PM



#12
1,3-Dichlorobenzene
Concen: 20.399 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	146	Resp	224764
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.8	77.8
75	28.4	24.2	36.4





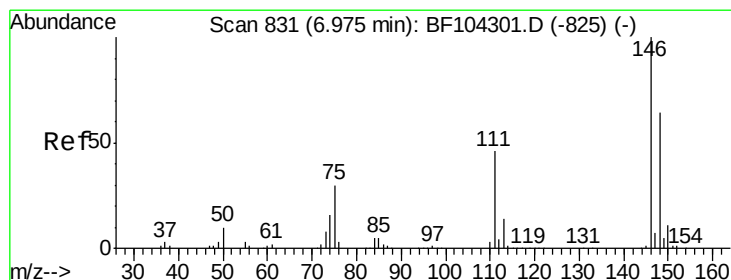
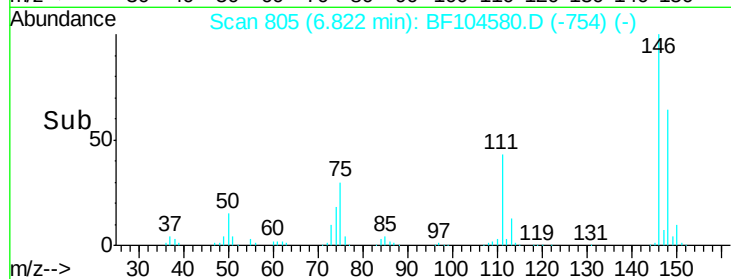
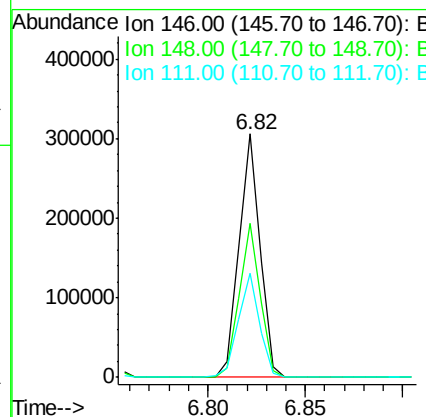
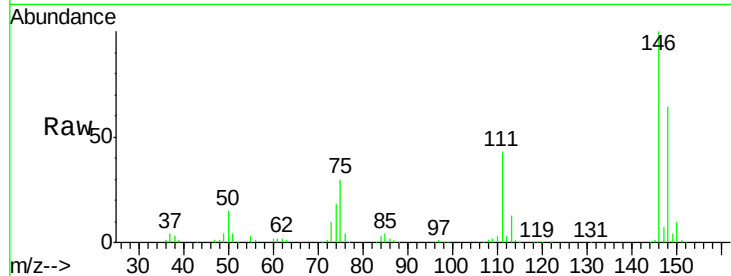
#13
 1,4-Dichlorobenzene
 Concen: 20.830 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	42.9	34.2	51.2

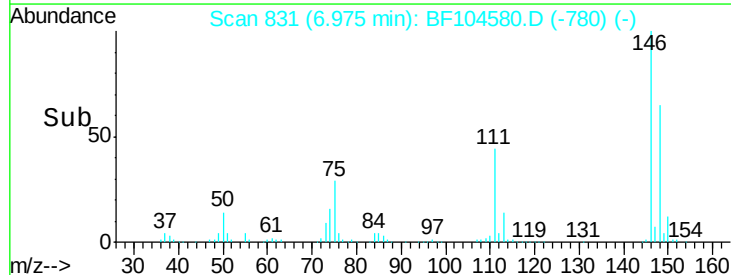
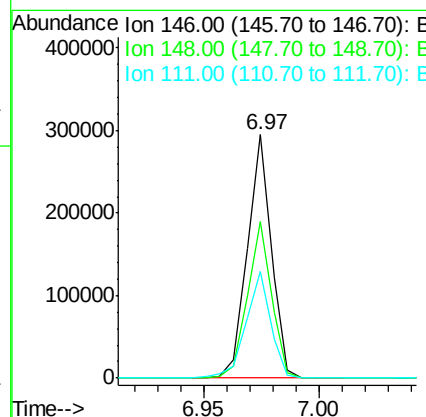
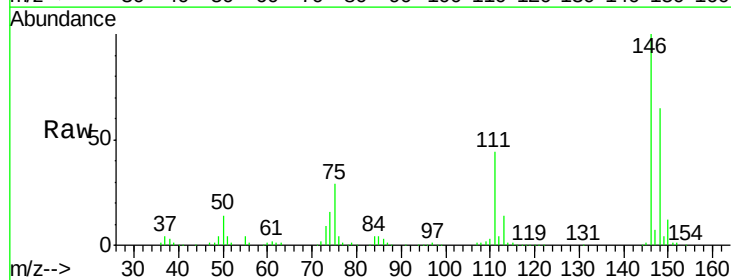
Manual Integrations
 APPROVED

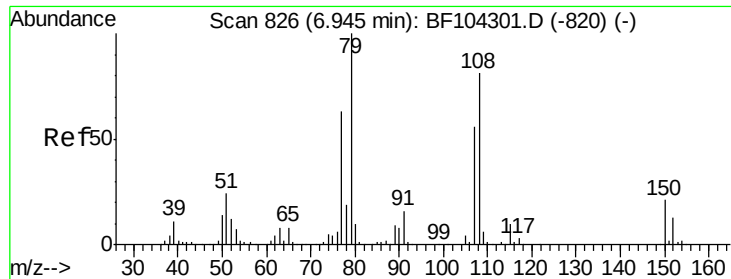
Sohil
 4/18/2018 3:01:14 PM



#14
 1,2-Dichlorobenzene
 Concen: 21.108 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	75.8
111	43.9	36.0	54.0





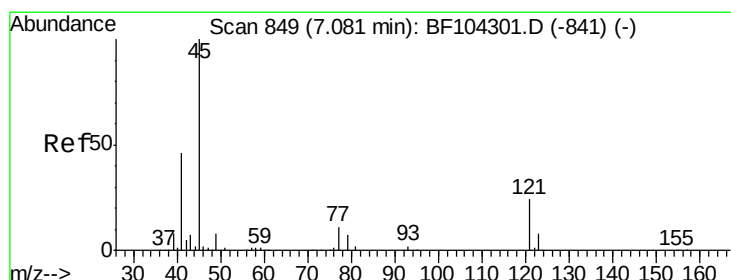
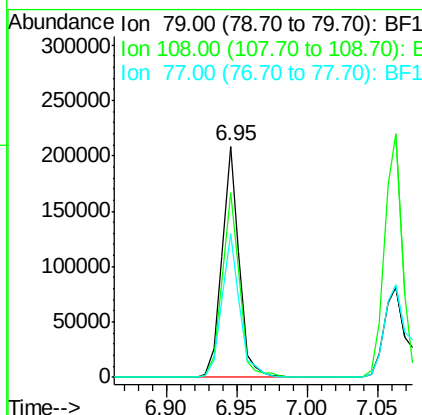
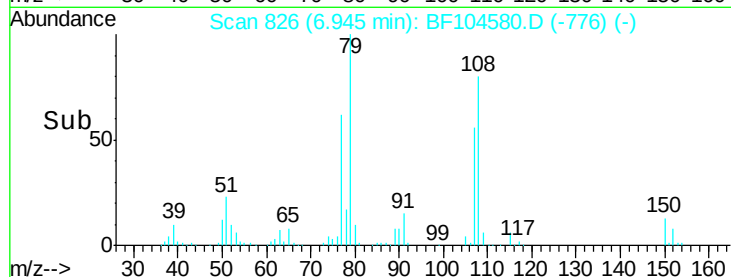
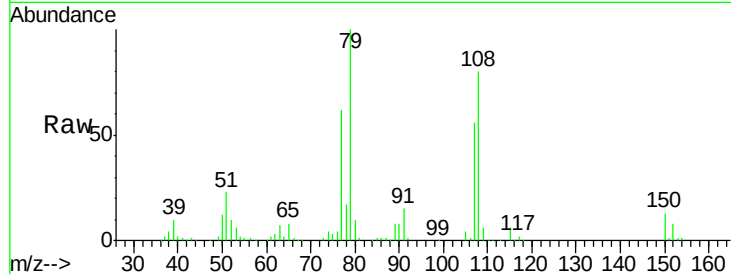
#15
Benzyl Alcohol
Concen: 20.460 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.2	65.1	97.7
77	62.2	50.6	75.8

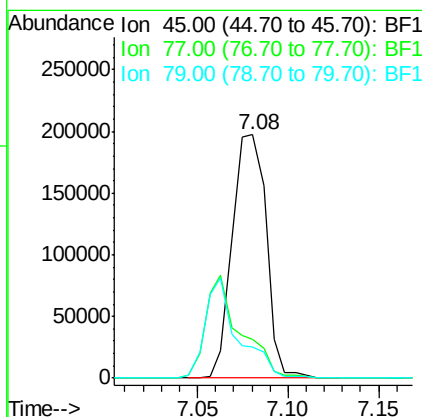
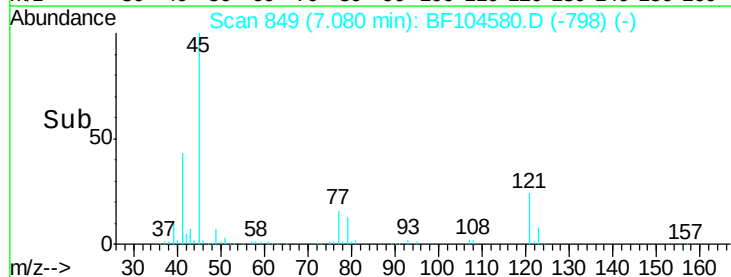
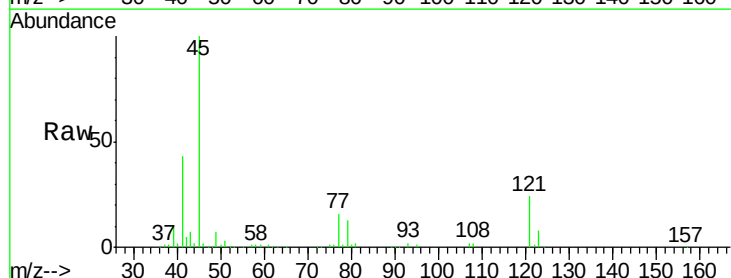
Manual Integrations
APPROVED

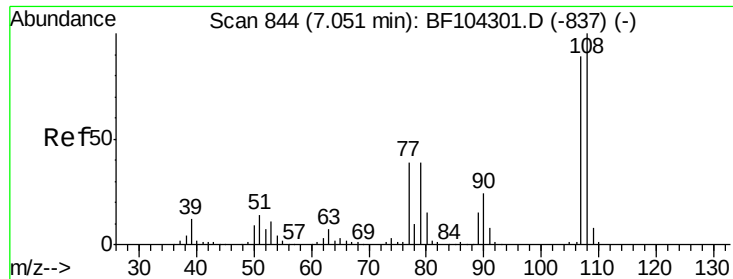
Sohil
4/18/2018 3:01:14 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.987 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	32.9
79	12.9	0.0	29.6





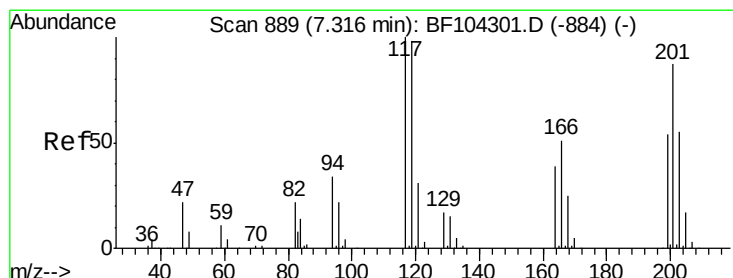
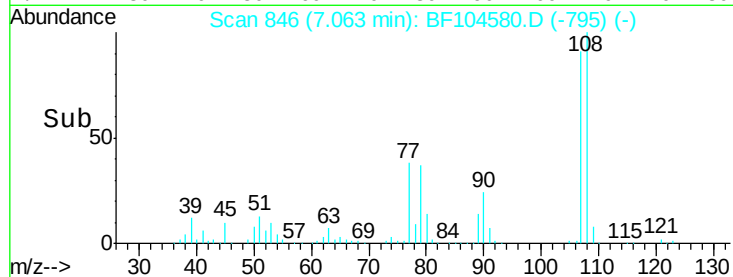
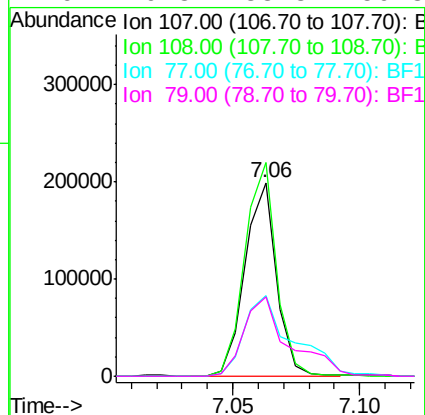
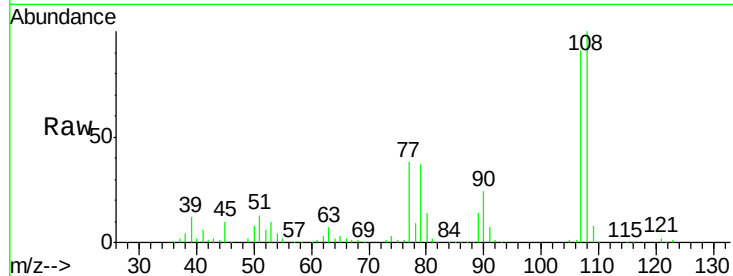
#17
2-Methylphenol
Concen: 20.482 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion:	107	Resp:	173165
Ion Ratio	Lower	Upper	
107	100		
108	110.2	91.7	137.5
77	41.7	33.8	50.8
79	40.8	33.8	50.8

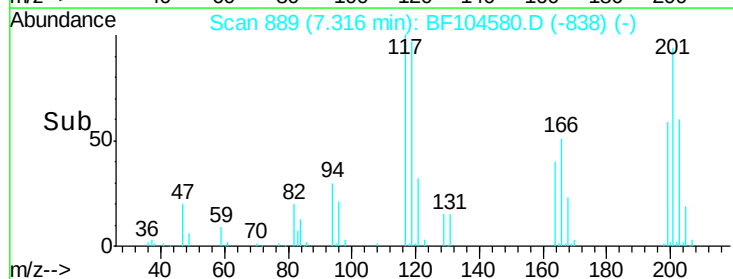
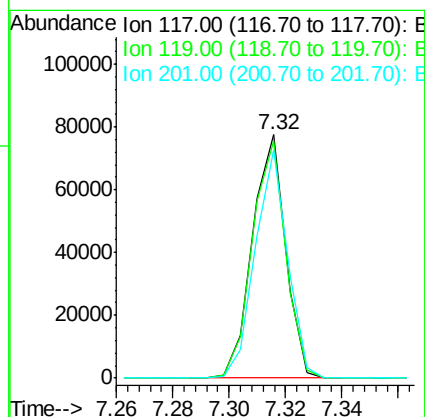
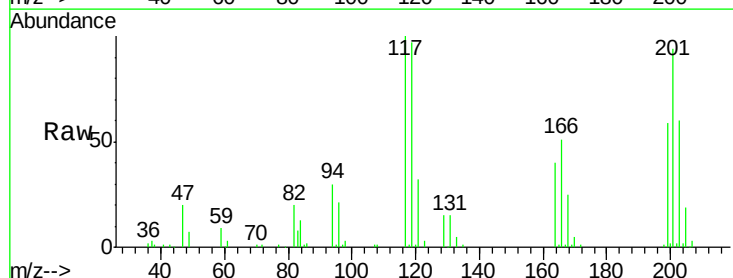
Manual Integrations
APPROVED

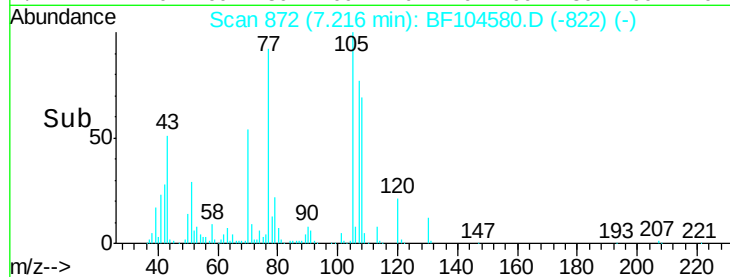
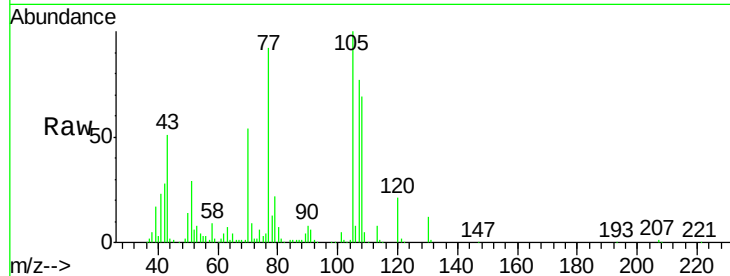
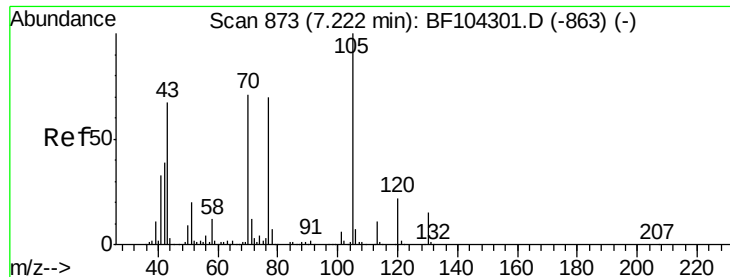
Sohil
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#18
Hexachloroethane
Concen: 16.145 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion:	117	Resp:	63226
Ion Ratio	Lower	Upper	
117	100		
119	97.2	75.8	113.8
201	93.6	75.7	113.5





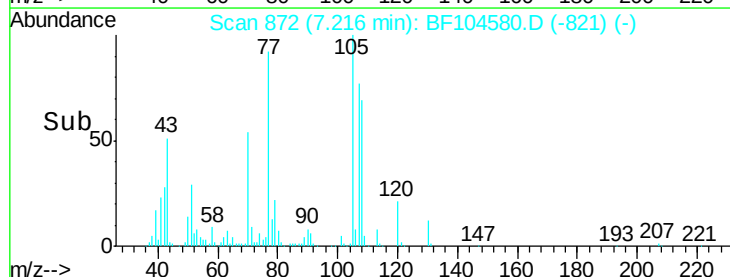
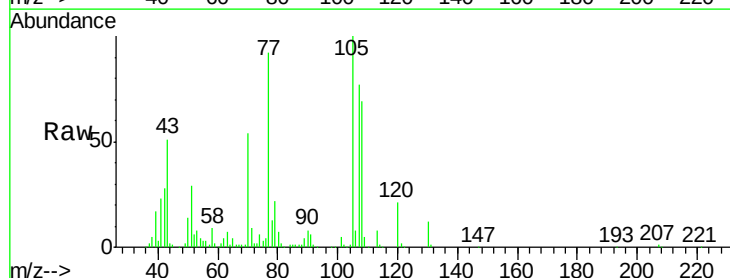
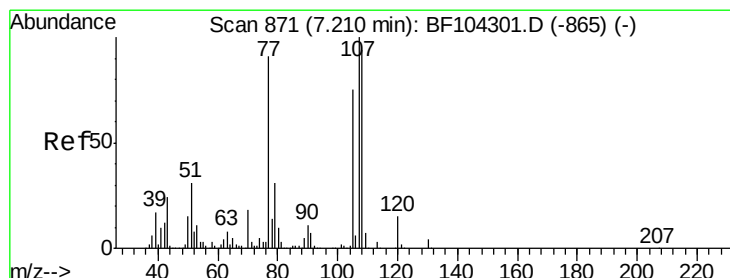
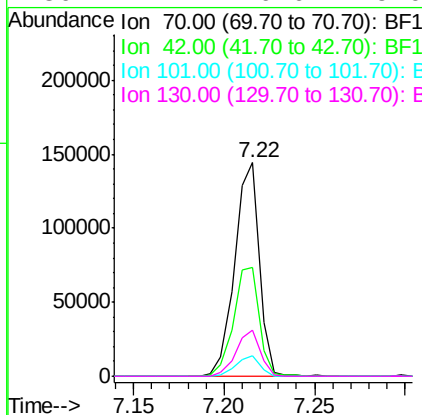
#19
n-Nitroso-di-n-propylamine
Concen: 18.445 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.9	47.5	71.3	
101	9.5	7.4	11.2	
130	21.4	16.6	25.0	

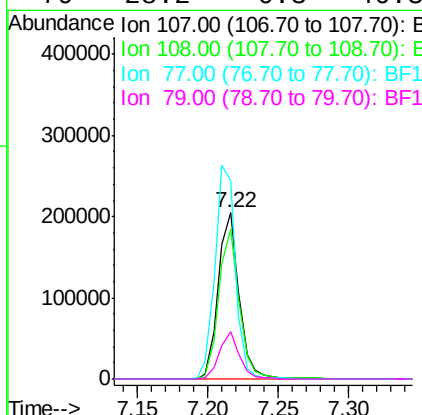
Manual Integrations
APPROVED

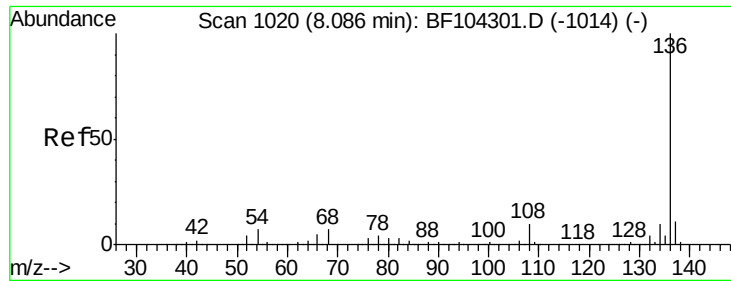
Sohil
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#20
3+4-Methylphenols
Concen: 20.180 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.1	68.2	108.2	
77	119.3	26.7	66.7#	
79	28.2	6.3	46.3	





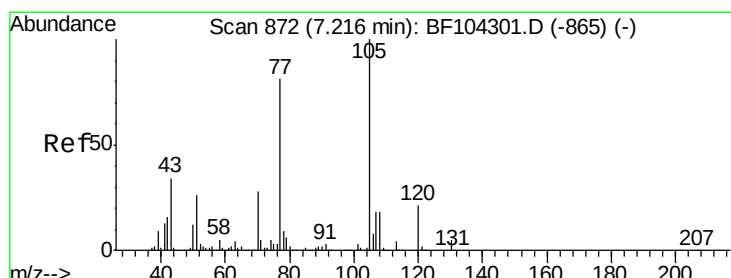
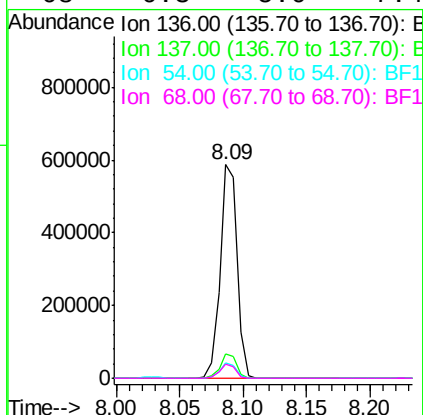
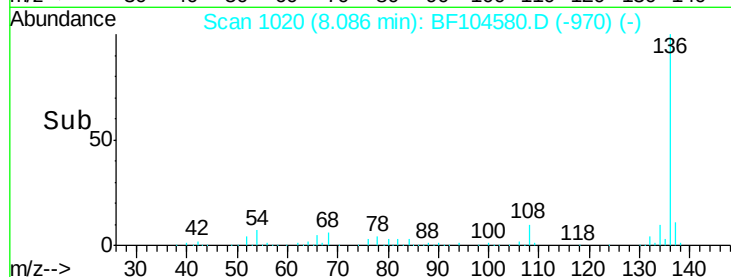
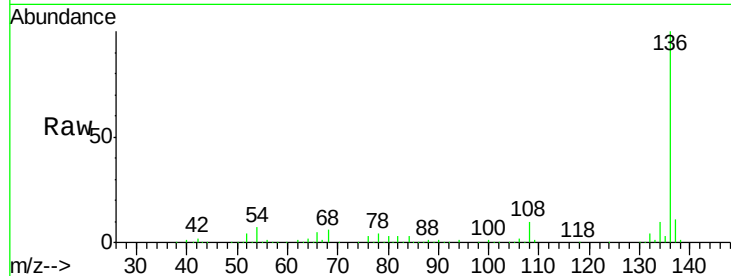
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		551644		
137	11.2	8.9	13.3		
54	7.4	6.6	9.8		
68	6.3	5.0	7.4		

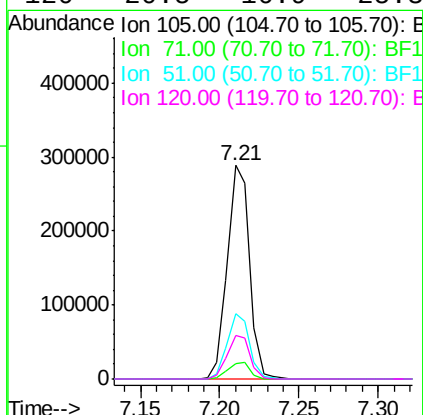
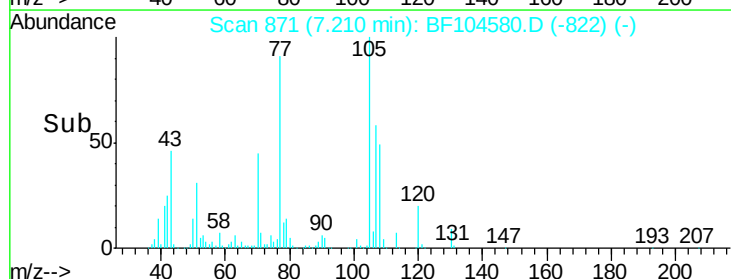
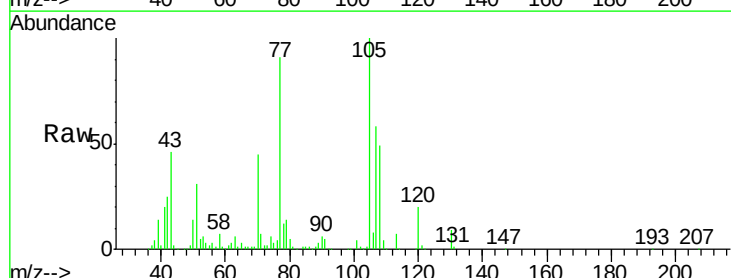
Manual Integrations
APPROVED

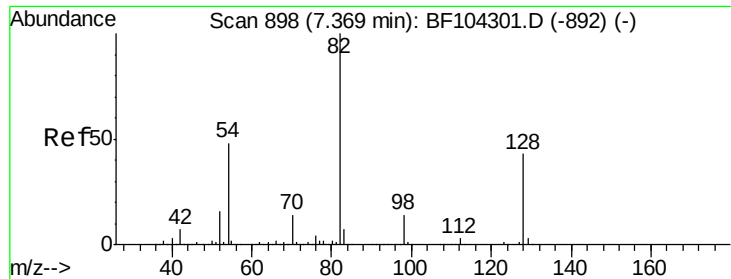
Sohil
4/18/2018 3:01:14 PM



#22
Acetophenone
Concen: 20.664 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		280637		
71	7.4	4.4	6.6#		
51	30.7	22.3	33.5		
120	20.5	16.9	25.3		





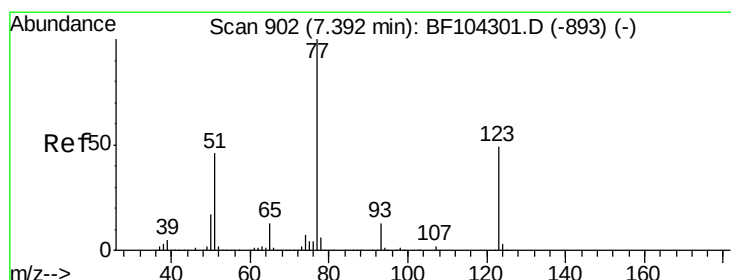
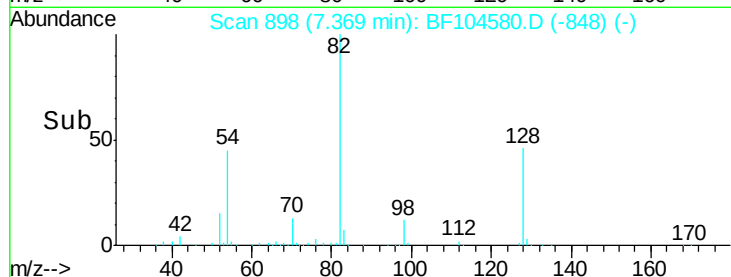
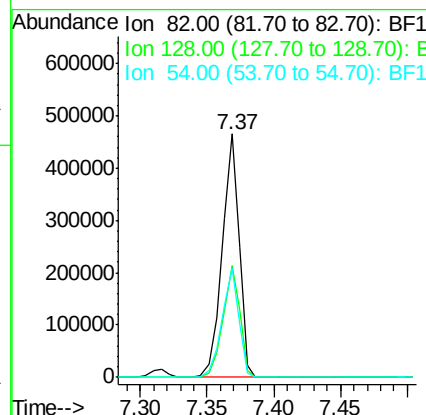
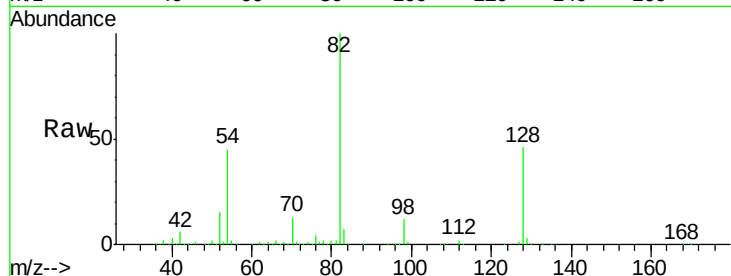
#23
 Nitrobenzene-d5
 Concen: 49.613 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	44.8	41.4	62.2

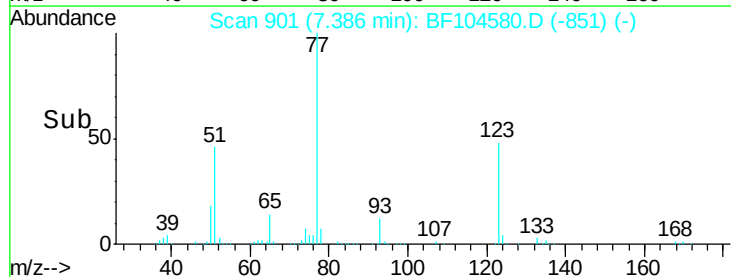
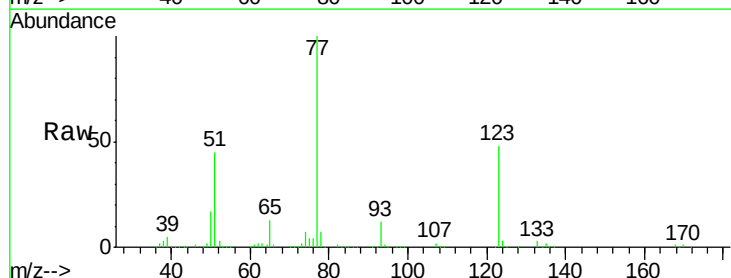
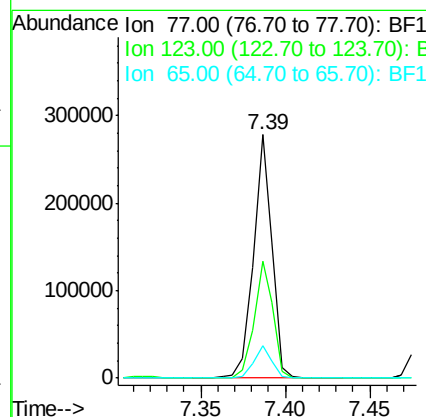
Manual Integrations
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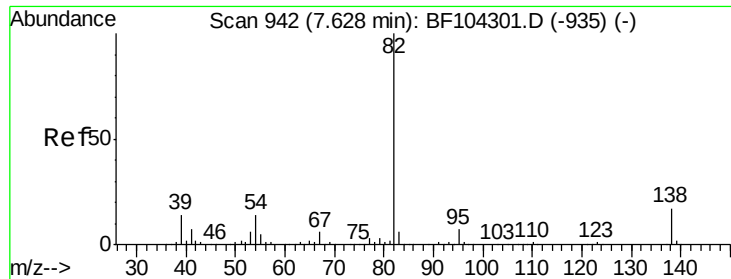
Sohil
 4/18/2018 3:01:14 PM



#24
 Nitrobenzene
 Concen: 22.969 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.9	56.9
65	13.2	11.0	16.4





#25

Isophorone

Concen: 20.949 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

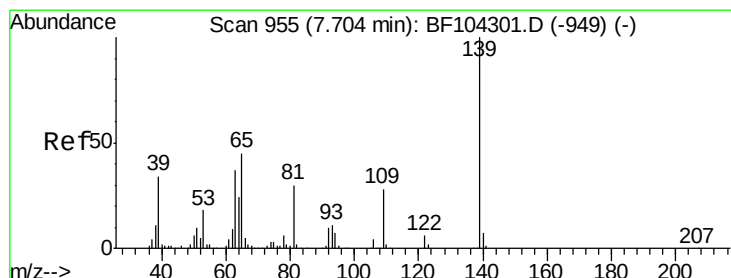
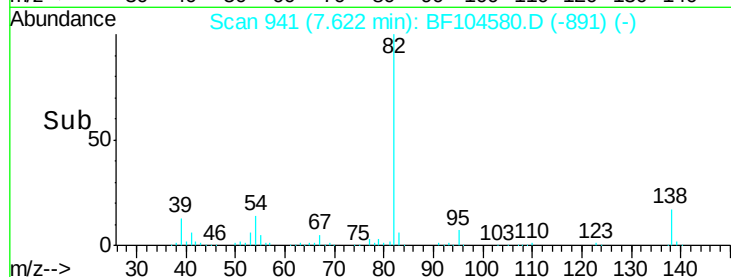
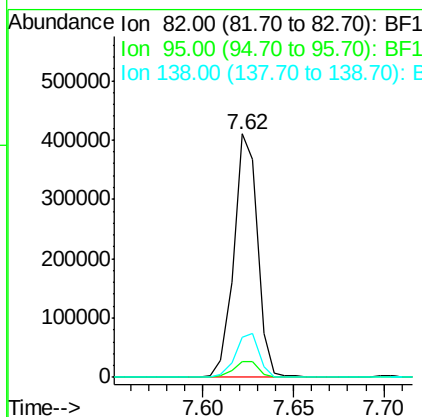
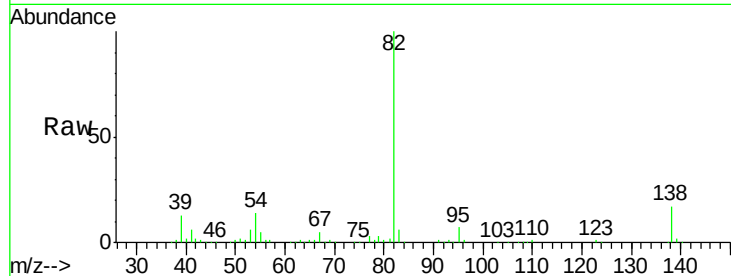
ClientSampleId :

NAA-WS-005MS

Tot Ion:	82	Resp:	374254
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.2	7.8
138	16.6	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 26.327 ng

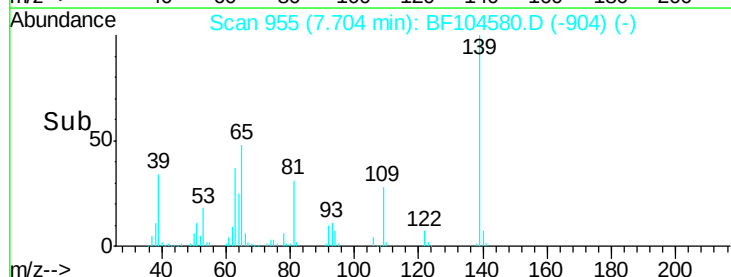
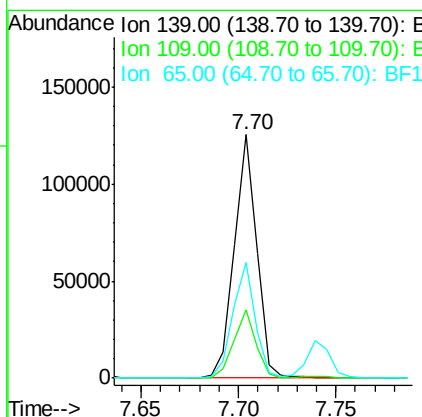
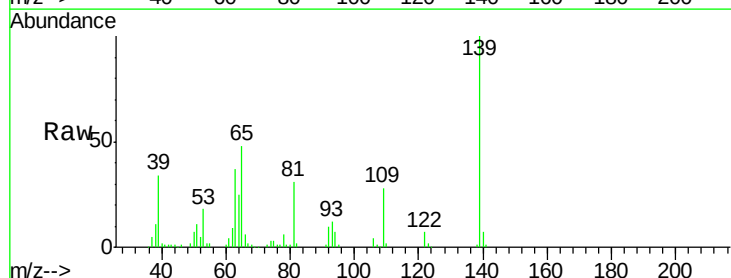
RT: 7.70 min Scan# 955

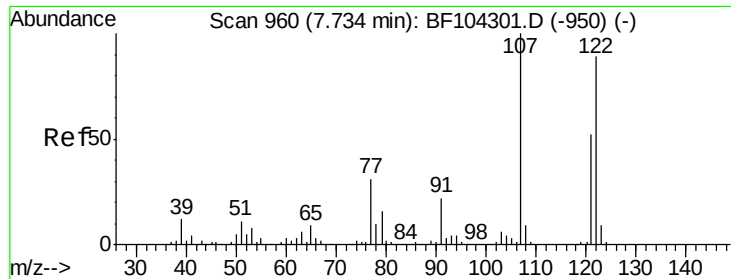
Delta R.T. -0.00 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Tgt Ion:	139	Resp:	99967
Ion Ratio	Lower	Upper	
139	100		
109	27.8	22.7	34.1
65	47.6	40.5	60.7





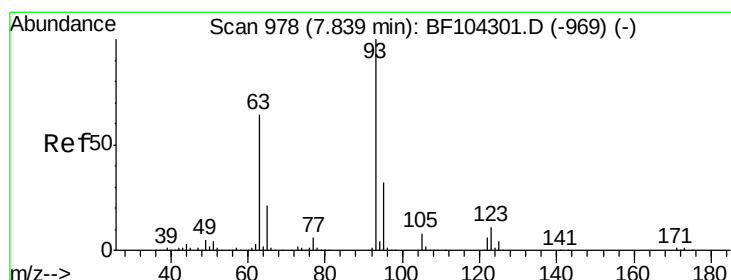
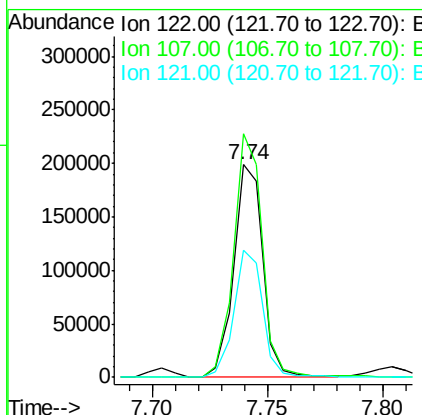
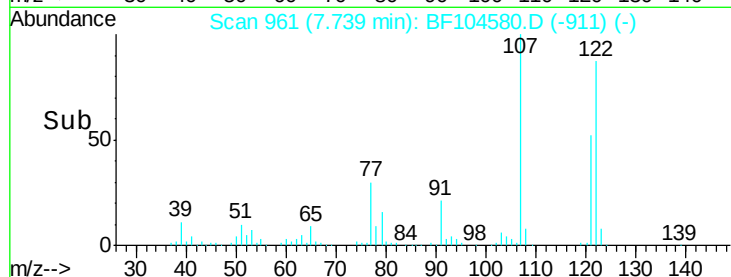
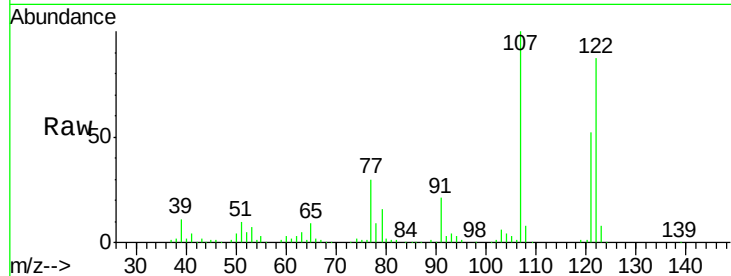
#27
2,4-Dimethylphenol
Concen: 22.109 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.2	136.8
121	60.0	47.2	70.8

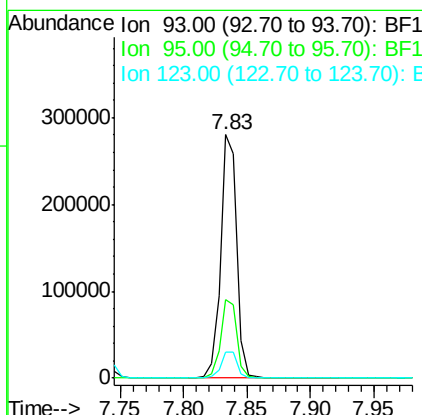
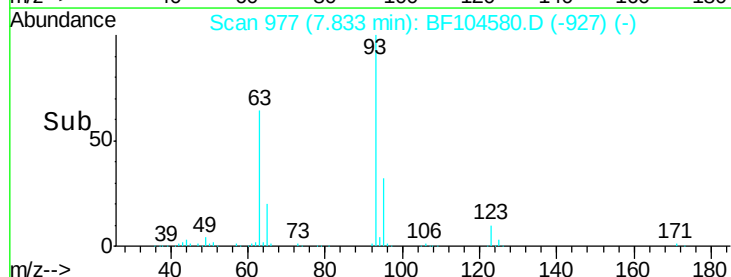
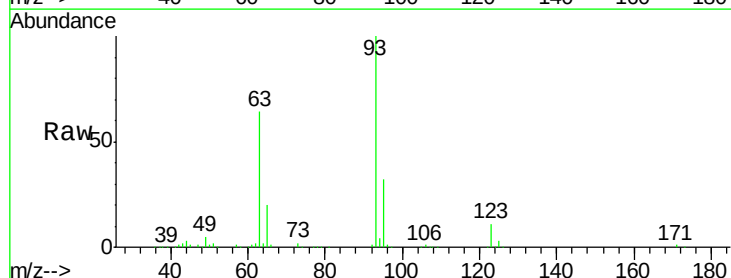
Manual Integrations
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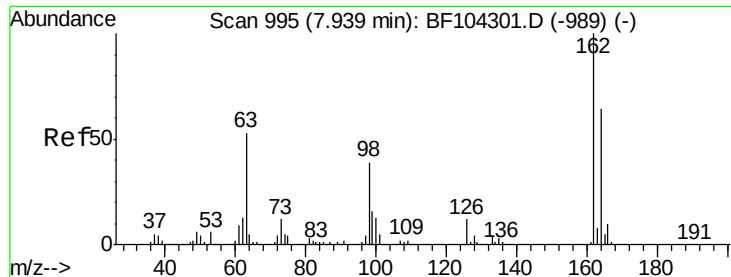
Sohil
4/18/2018 3:01:14 PM



#28
bis(2-Chloroethoxy)methane
Concen: 22.812 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.3	39.5
123	10.6	9.8	14.6





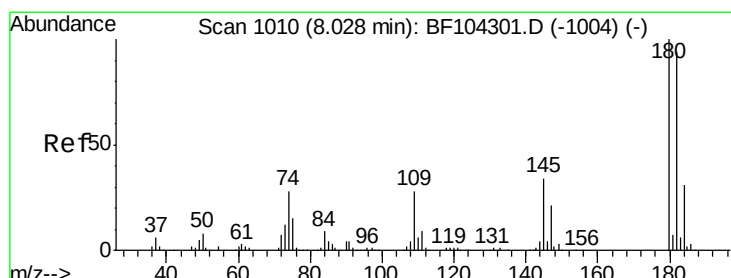
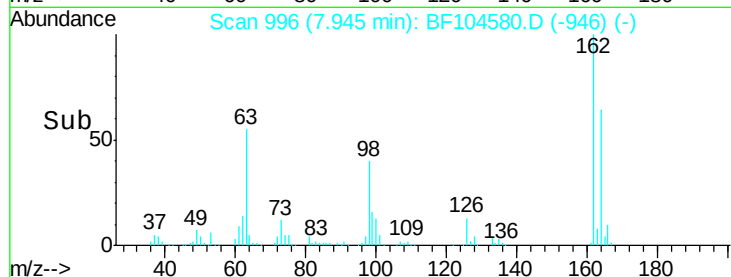
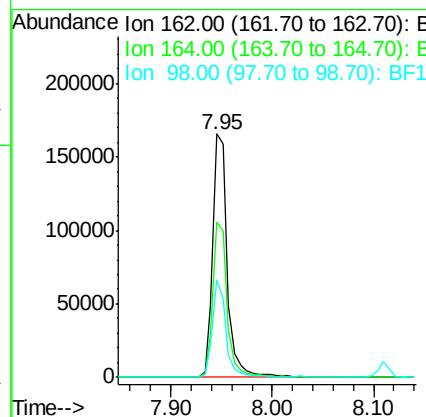
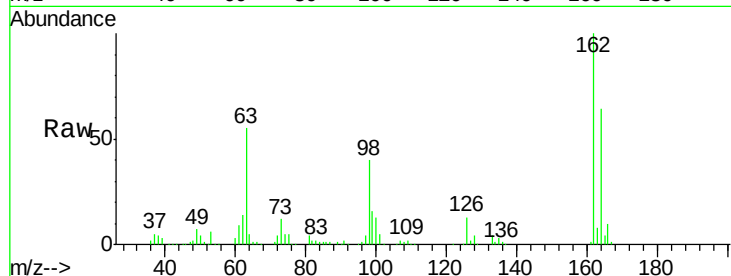
#29
2,4-Dichlorophenol
Concen: 22.008 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	165559		
164	63.7	42.7	82.7	
98	40.1	18.1	58.1	

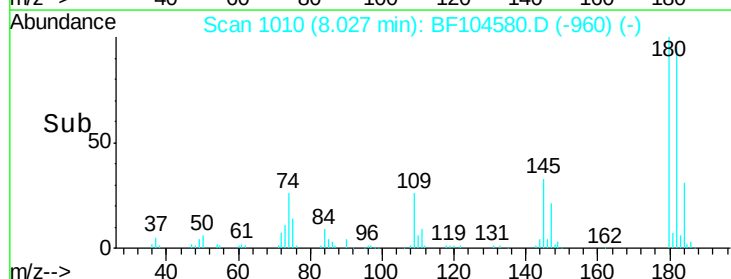
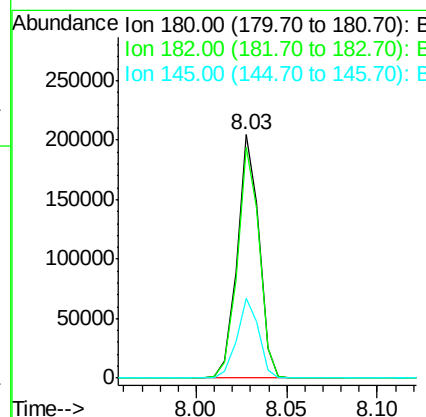
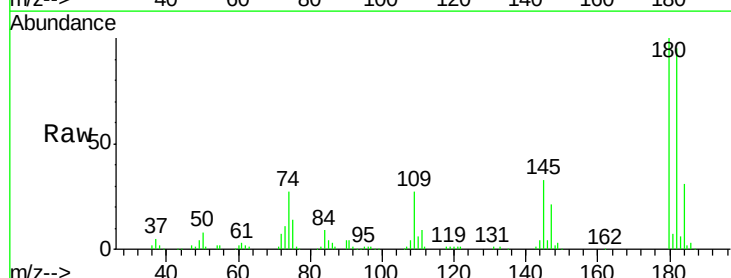
Manual Integrations
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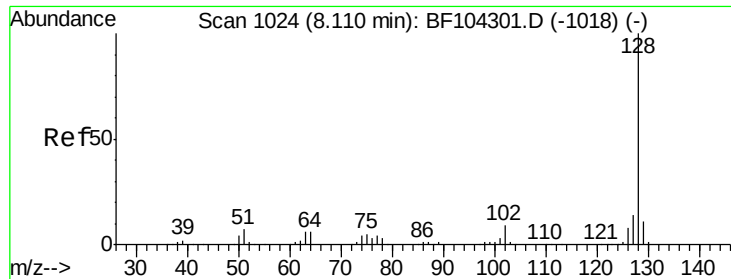
Sohil
4/18/2018 3:01:14 PM



#30
1,2,4-Trichlorobenzene
Concen: 20.750 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	171314		
182	94.7	76.8	115.2	
145	32.9	26.5	39.7	





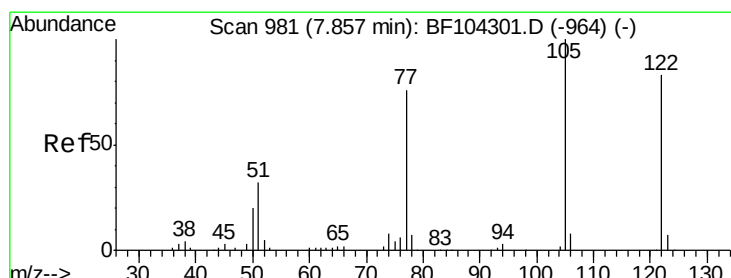
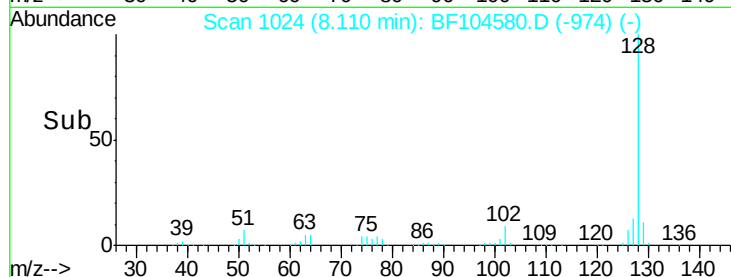
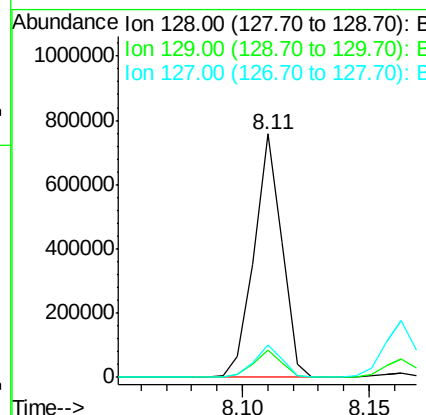
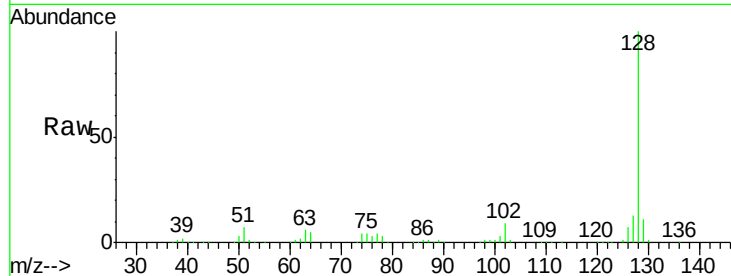
#31
Naphthalene
Concen: 21.197 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.5	10.9	16.3

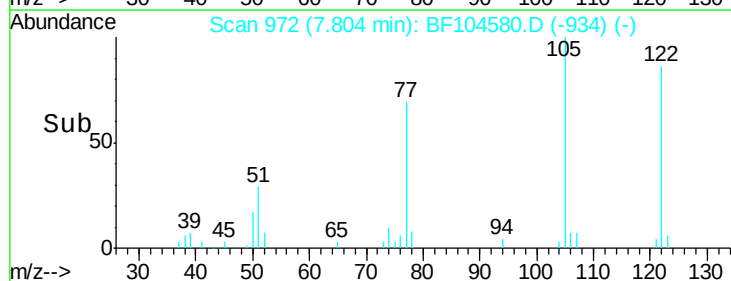
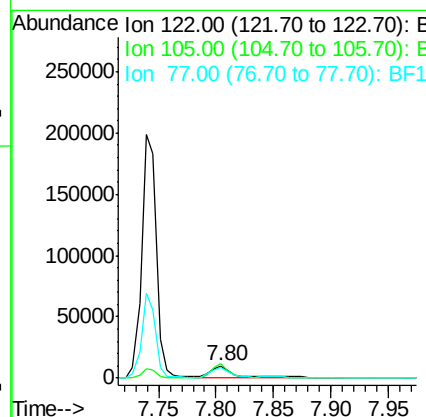
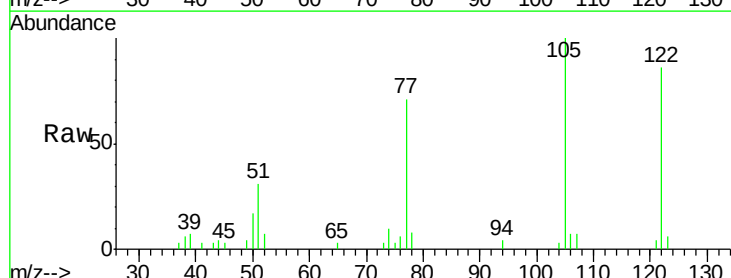
Manual Integrations
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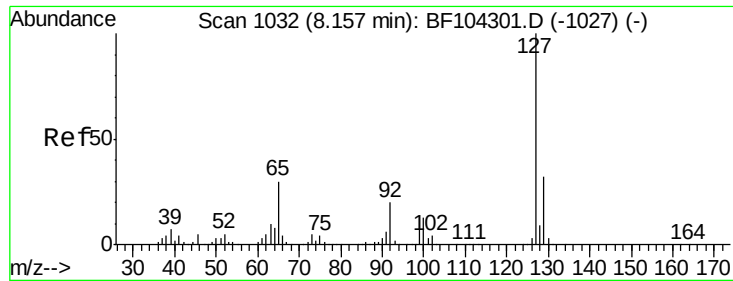
Sohil
4/18/2018 3:01:14 PM



#32
Benzoic acid
Concen: 2.503 ng m
RT: 7.80 min Scan# 972
Delta R.T. -0.08 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.7	101.1	141.1
77	83.4	70.7	110.7





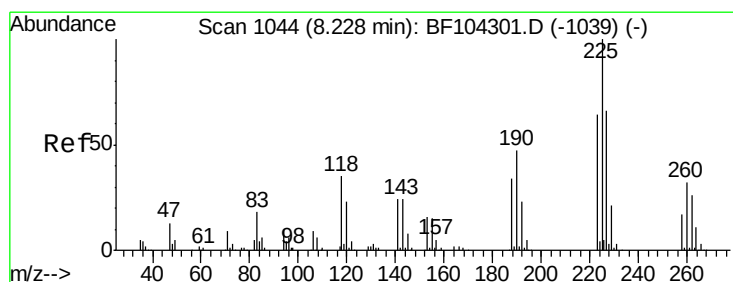
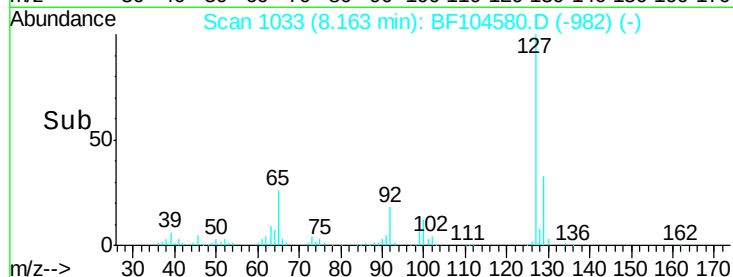
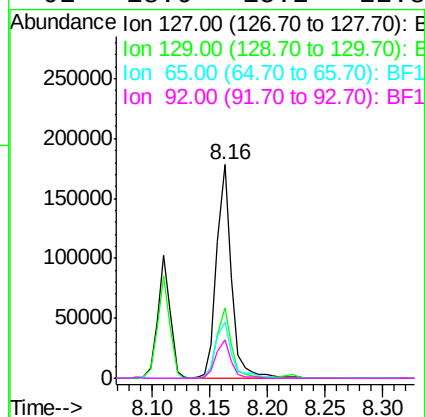
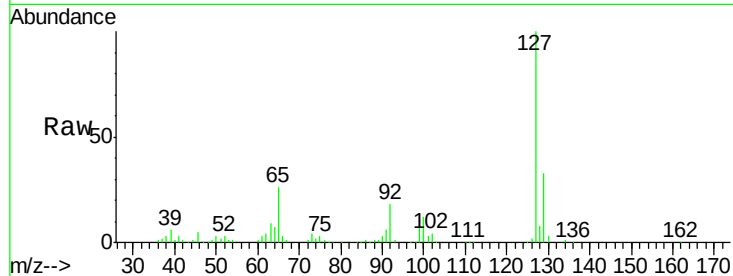
#33
4-Chloroaniline
Concen: 13.708 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.0		25.9	38.9	
65	26.3		25.0	37.4	
92	18.0		15.2	22.8	

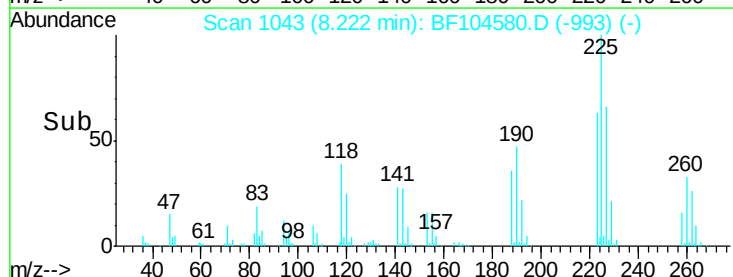
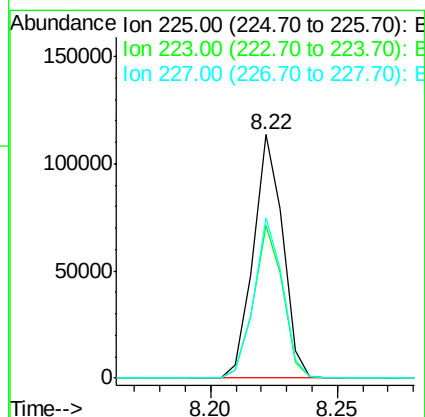
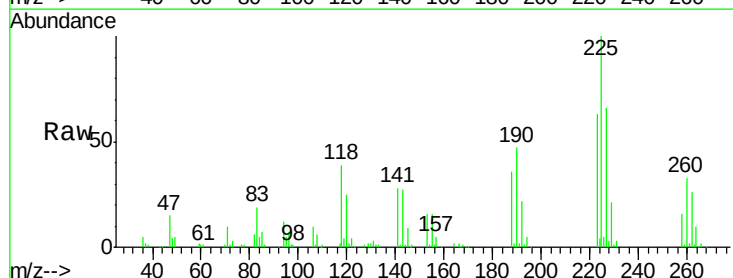
Manual Integrations
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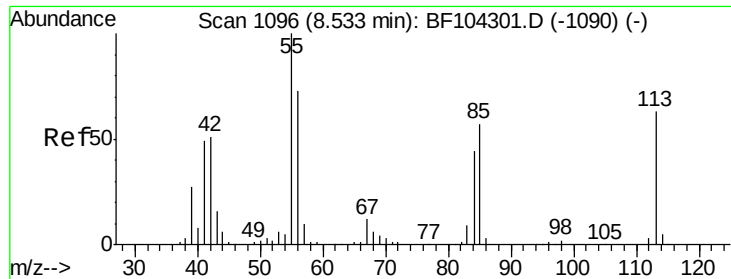
Sohil
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#34
Hexachlorobutadiene
Concen: 20.328 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.0		50.6	76.0	
227	65.7		51.9	77.9	





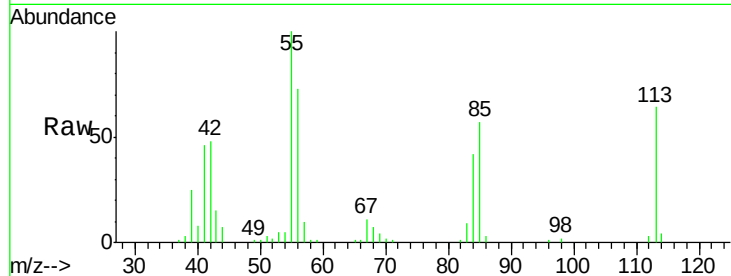
#35
Caprolactam
Concen: 16.535 ng
RT: 8.50 min Scan# 1091
Delta R.T. -0.04 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

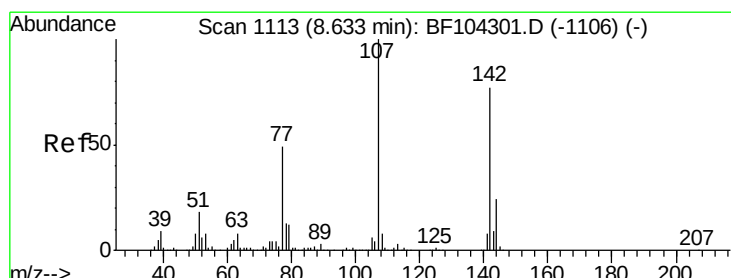
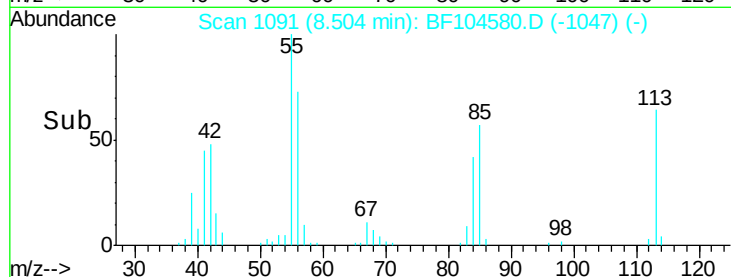
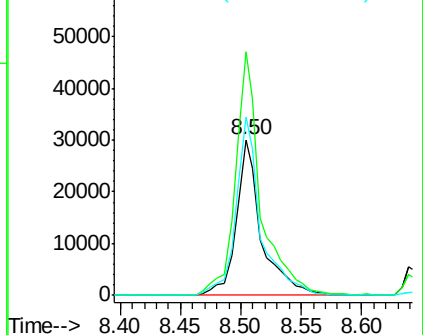
Tot Ion:113 Resp: 43394
Ion Ratio Lower Upper
113 100
55 156.5 163.3 203.3#
56 114.7 115.7 155.7#

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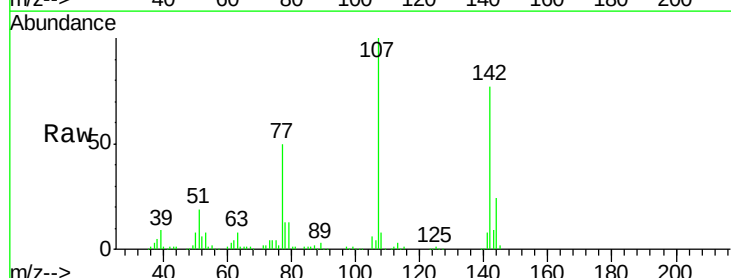


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

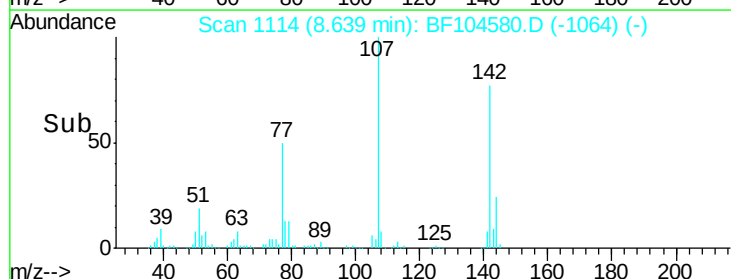
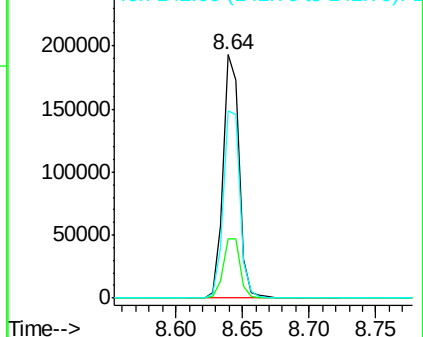


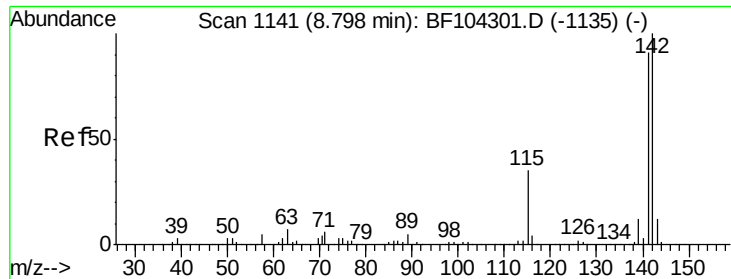
#36
4-Chloro-3-methylphenol
Concen: 20.571 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion:107 Resp: 165935
Ion Ratio Lower Upper
107 100
144 24.2 20.5 30.7
142 76.9 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





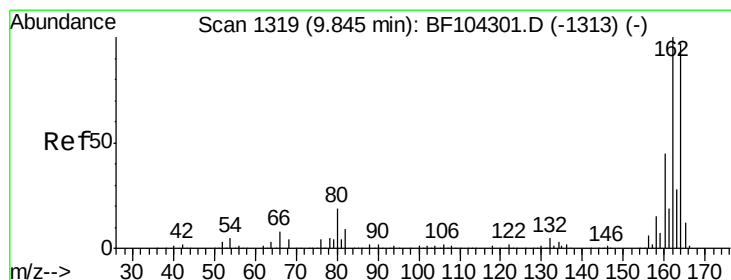
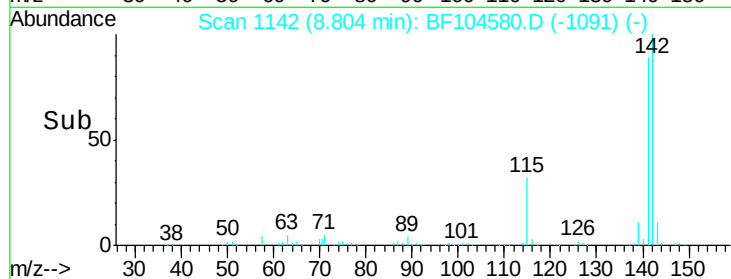
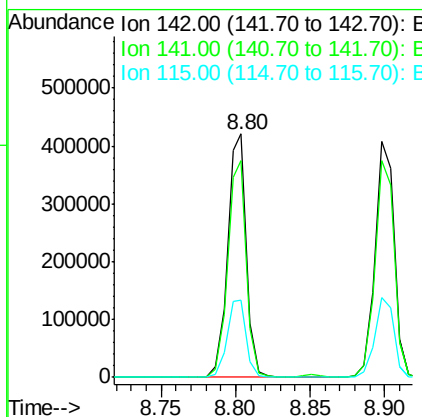
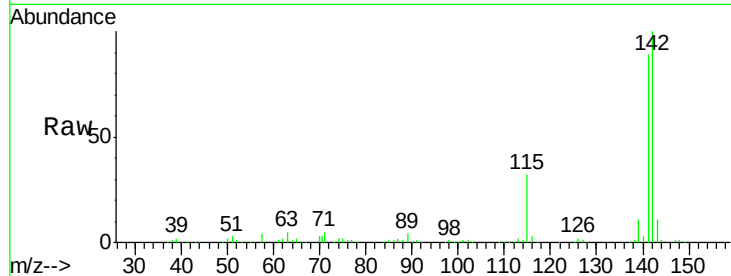
#37
 2-Methylnaphthalene
 Concen: 21.116 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	31.9	26.1	39.1

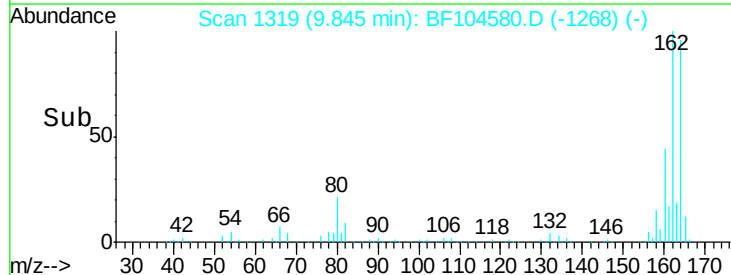
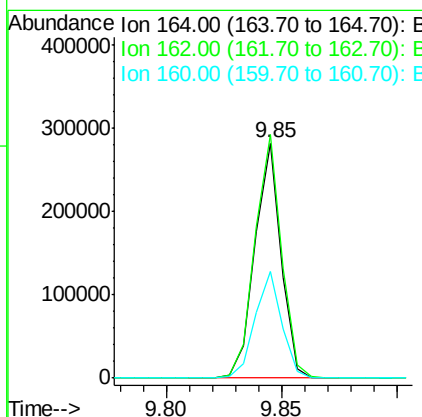
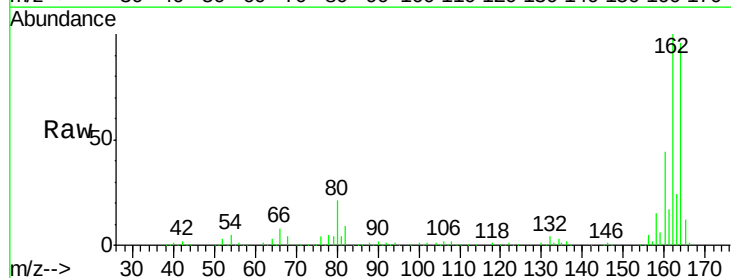
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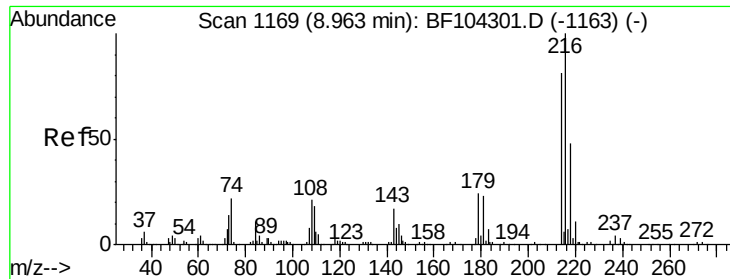
Sohil
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.5	38.3	57.5





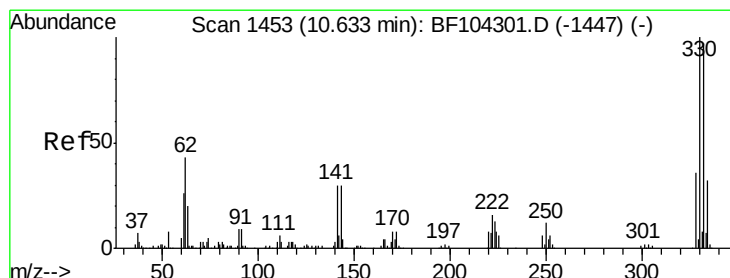
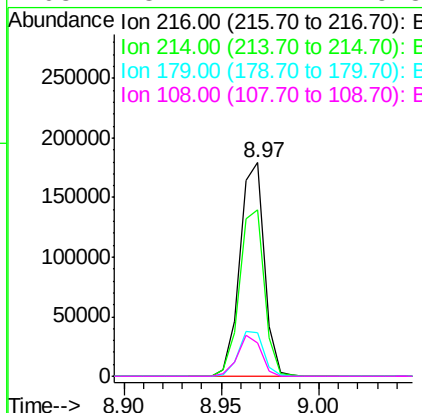
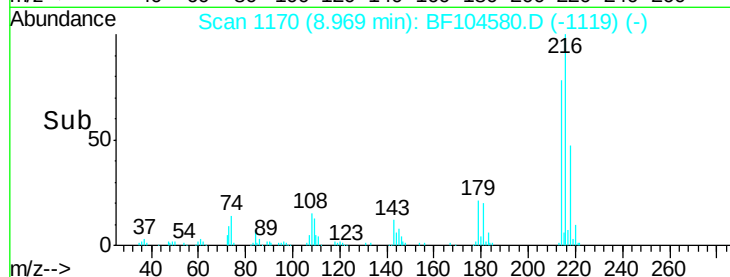
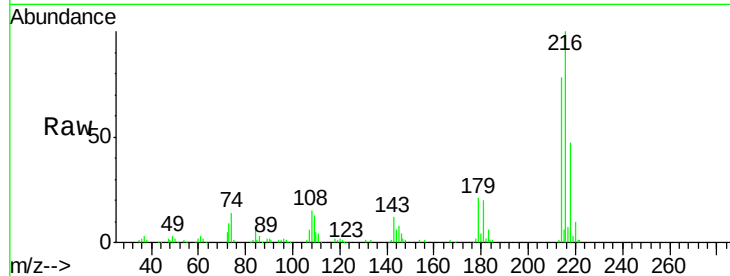
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 24.385 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		156258		
214	78.7	63.0	94.4		
179	21.8	18.1	27.1		
108	18.4	17.2	25.8		

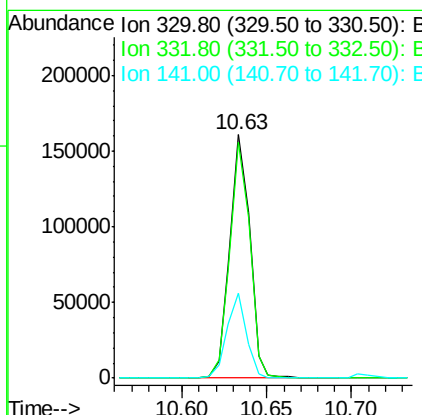
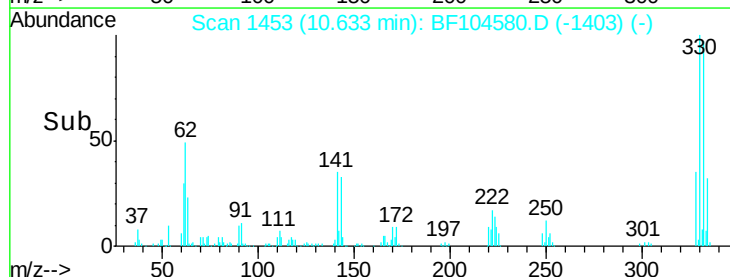
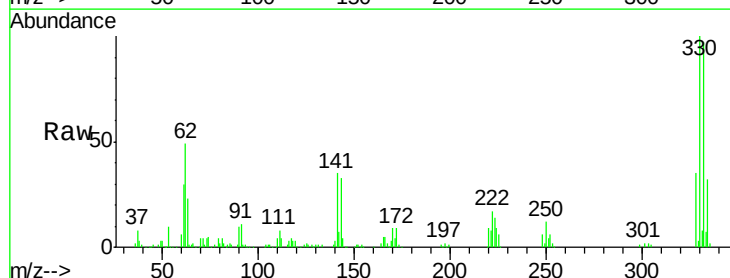
Manual Integrations
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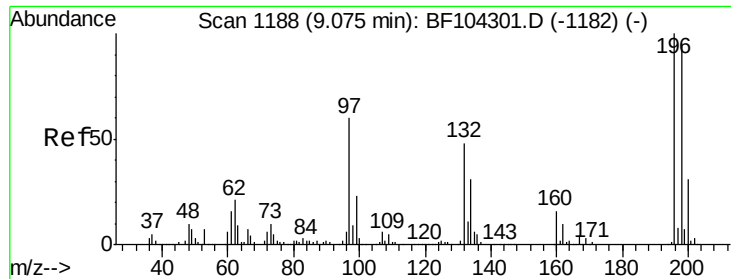
Sohil
 4/18/2018 3:01:14 PM



#41
 2,4,6-Tribromophenol
 Concen: 57.524 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100		133576		
332	96.7	77.0	115.6		
141	33.8	29.9	44.9		





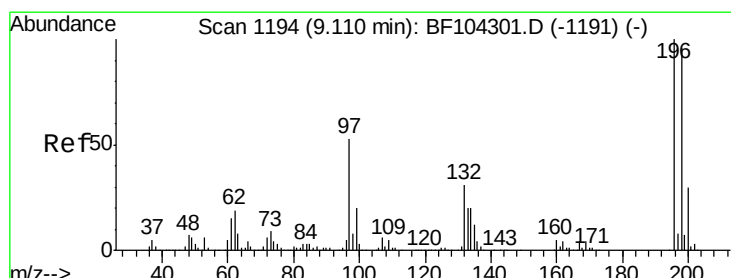
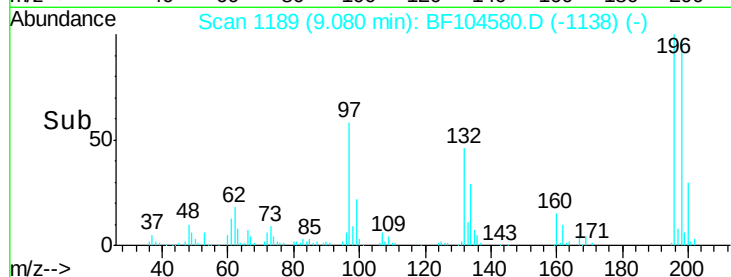
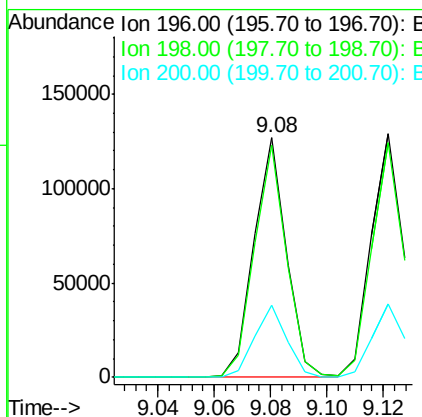
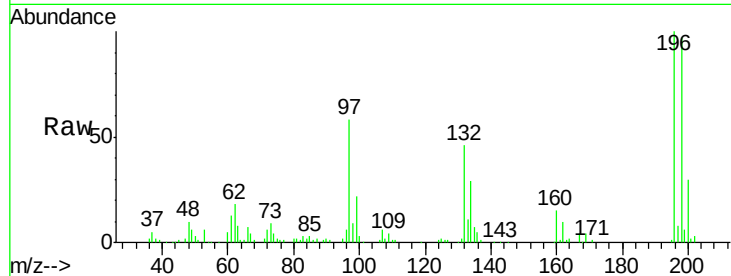
#42
 2,4,6-Trichlorophenol
 Concen: 22.848 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion:	196	Resp:	101636
Ion Ratio	Lower	Upper	
196	100		
198	97.0	75.7	113.5
200	30.3	24.5	36.7

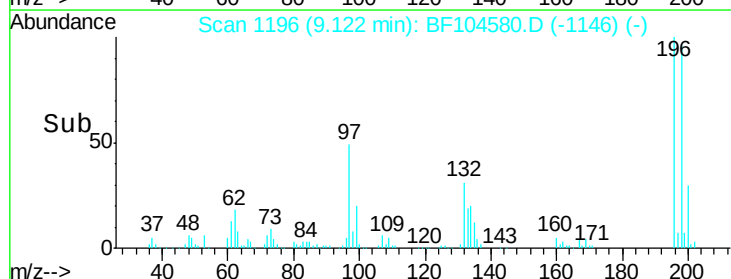
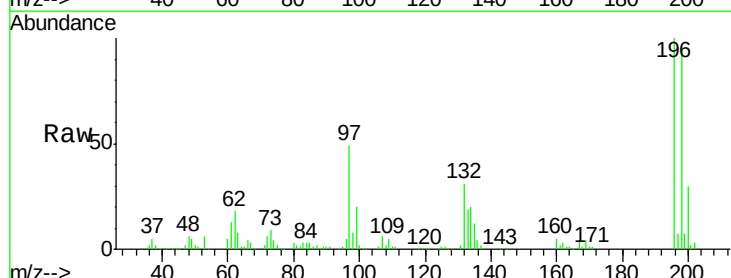
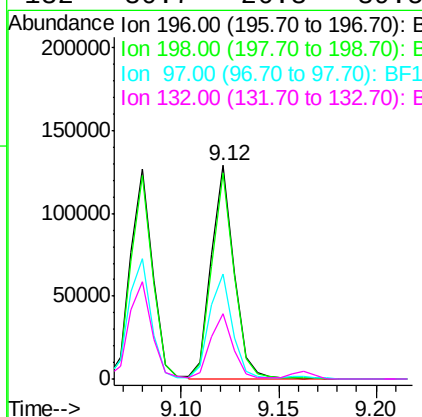
Manual Integrations
 APPROVED

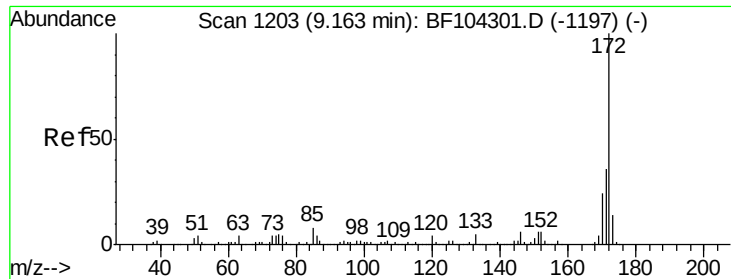
Sohil
 4/18/2018 3:01:14 PM



#43
 2,4,5-Trichlorophenol
 Concen: 21.168 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion:	196	Resp:	105373
Ion Ratio	Lower	Upper	
196	100		
198	96.2	74.6	112.0
97	49.4	42.9	64.3
132	30.7	26.3	39.5





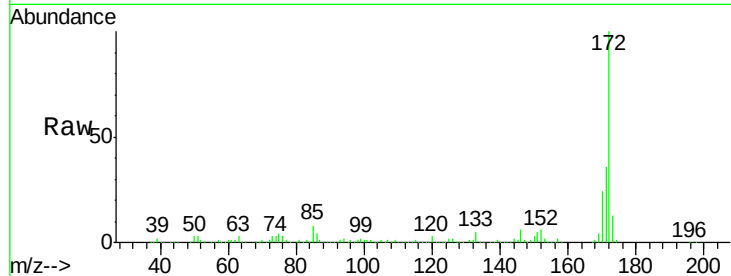
#44
2-Fluorobiphenyl
Concen: 51.590 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4

Manual Integrations
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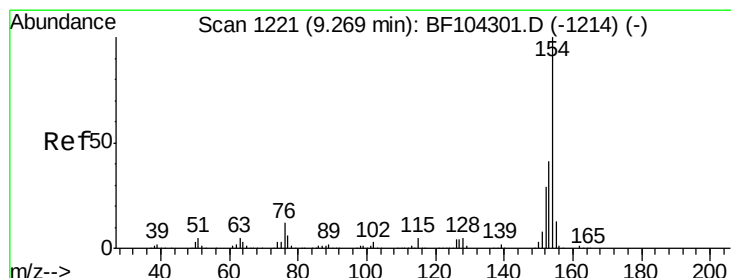
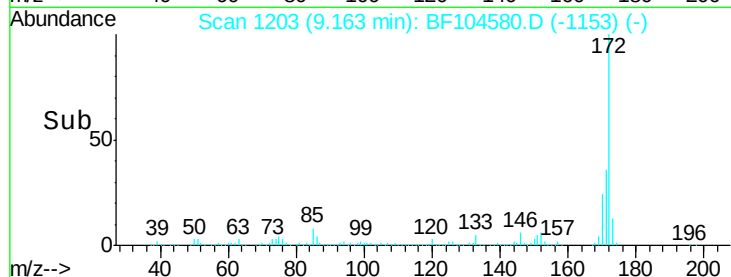
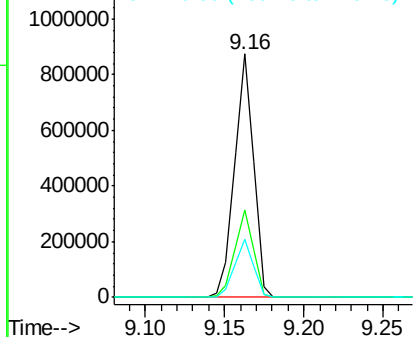


Abundance

Ion 172.00 (171.70 to 172.70): E

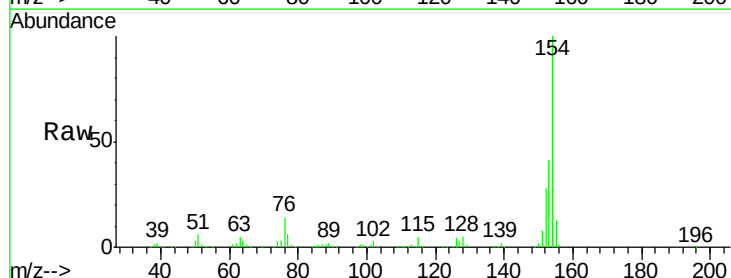
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45
1,1'-Biphenyl
Concen: 22.805 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.3	61.3
76	14.1	0.0	34.0

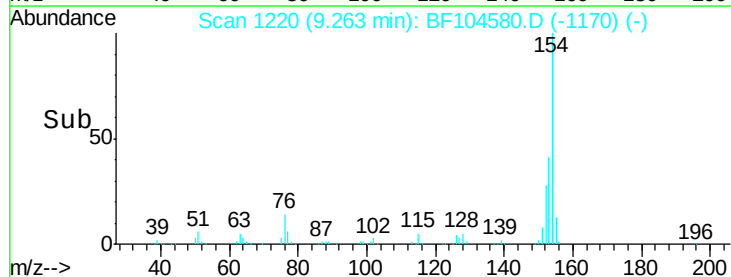
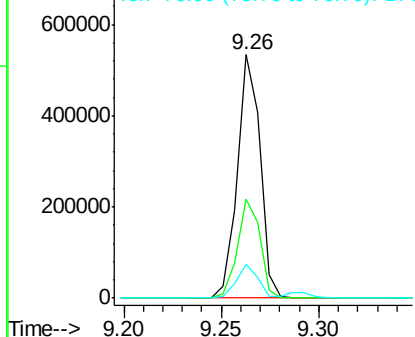


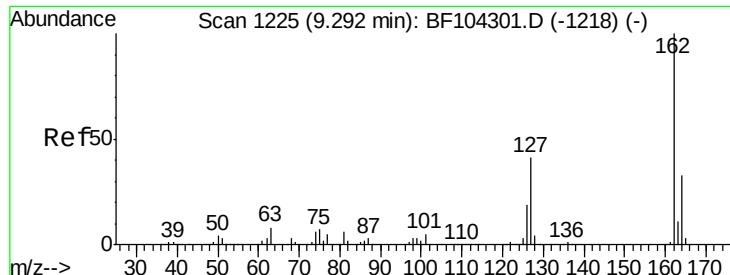
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





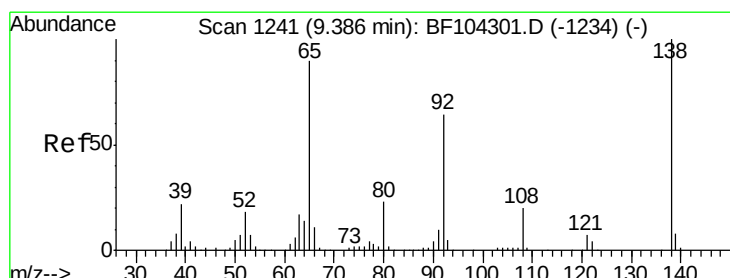
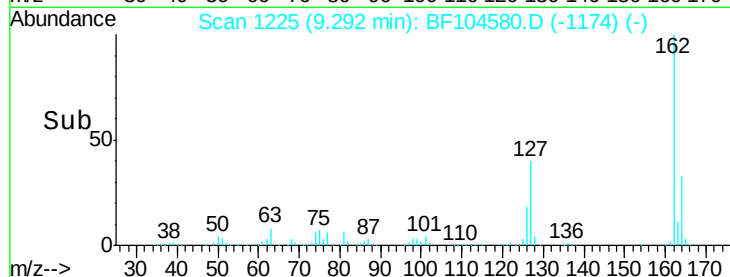
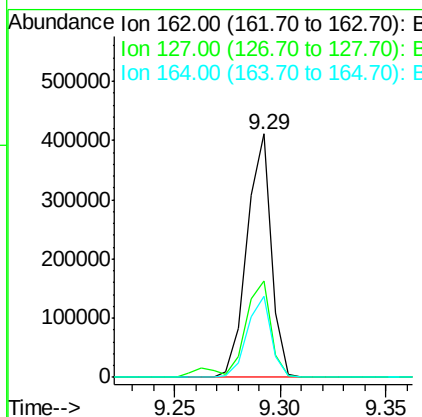
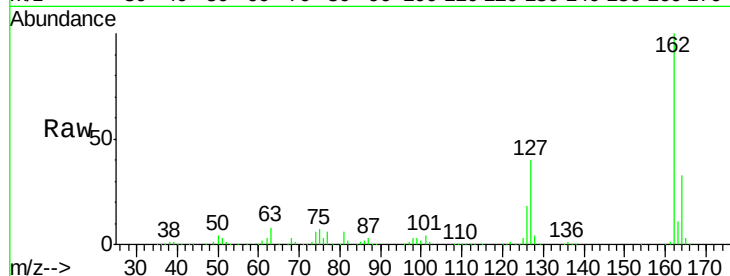
#46
2-Chloronaphthalene
Concen: 22.053 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	327576		
127	39.6		33.9	50.9
164	33.1		26.5	39.7

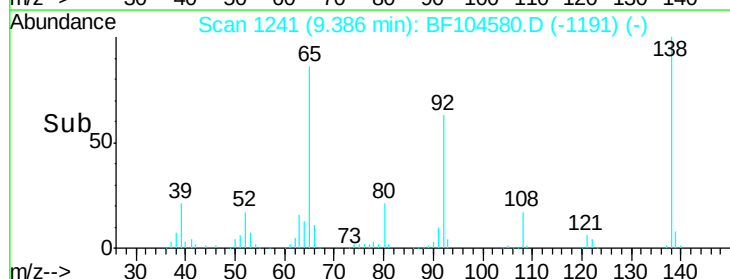
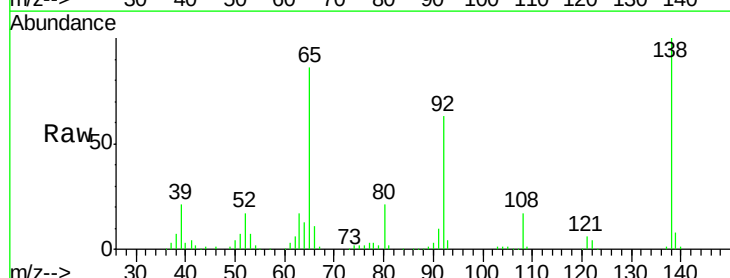
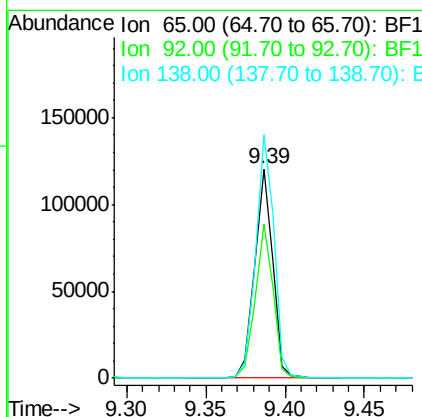
Manual Integrations
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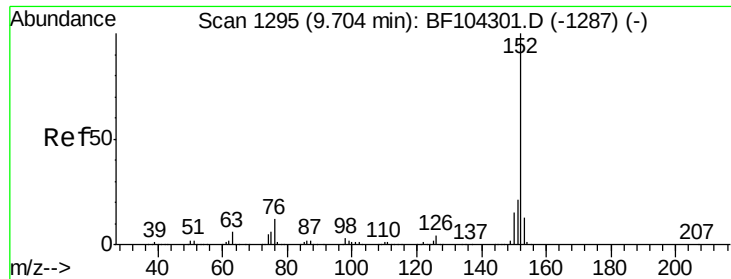
Sohil
4/18/2018 3:01:14 PM



#47
2-Nitroaniline
Concen: 25.934 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	95266		
92	73.3		55.8	83.6
138	116.2		91.2	136.8





#48

Acenaphthylene

Concen: 20.784 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

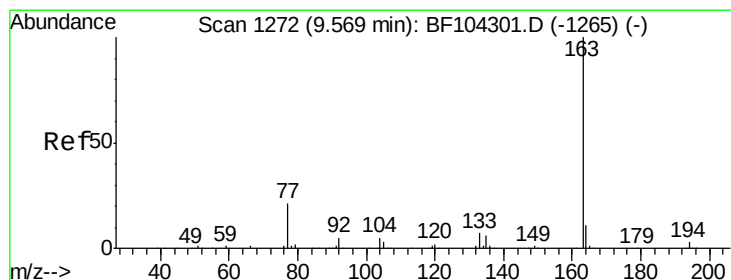
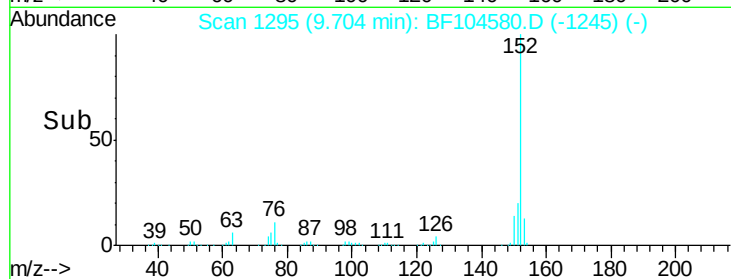
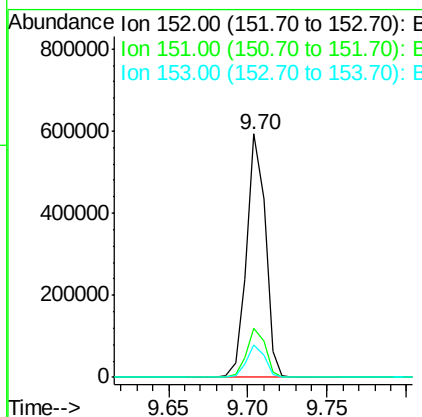
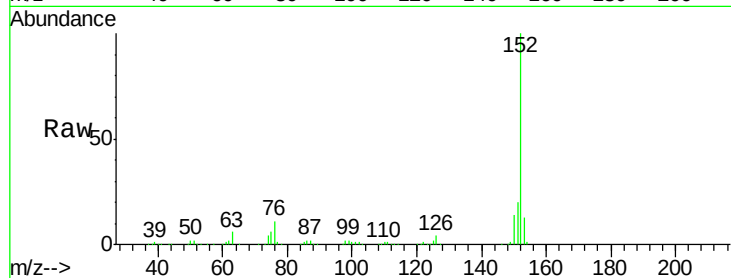
ClientSampleId :

NAA-WS-005MS

Tot Ion:	152	Resp:	484378
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.3	24.5
153	13.1	10.7	16.1

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Sohil
4/18/2018 3:01:14 PM



#49

Dimethylphthalate

Concen: 25.077 ng

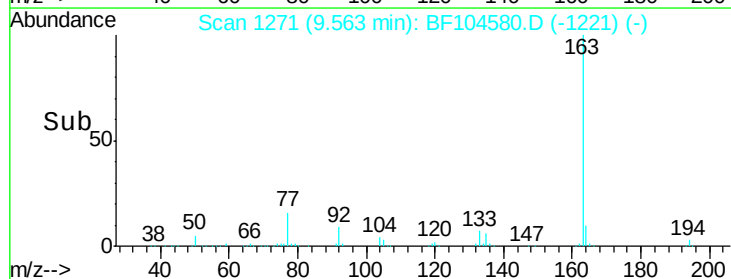
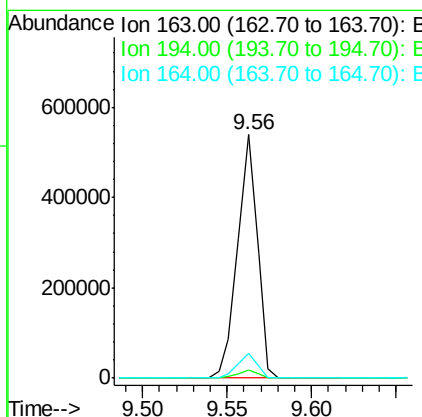
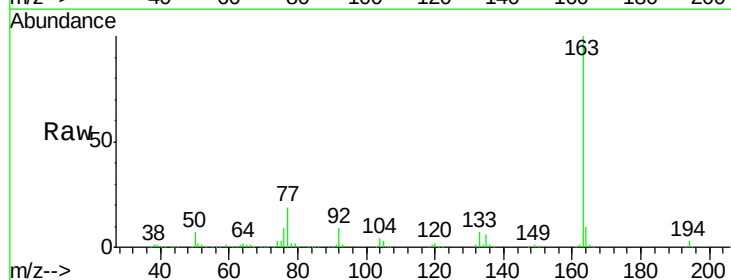
RT: 9.56 min Scan# 1271

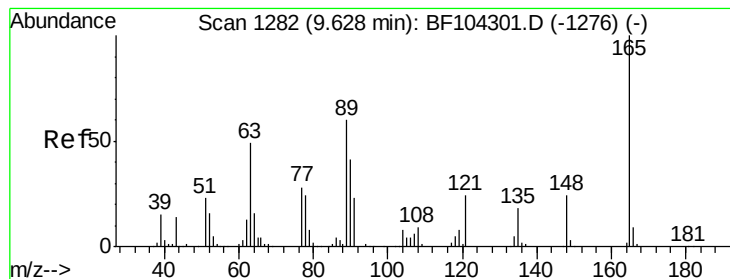
Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Tgt Ion:	163	Resp:	442675
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2





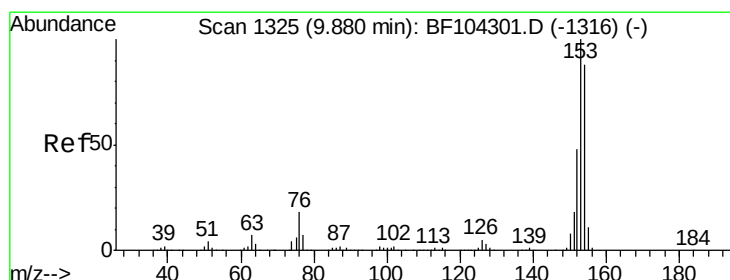
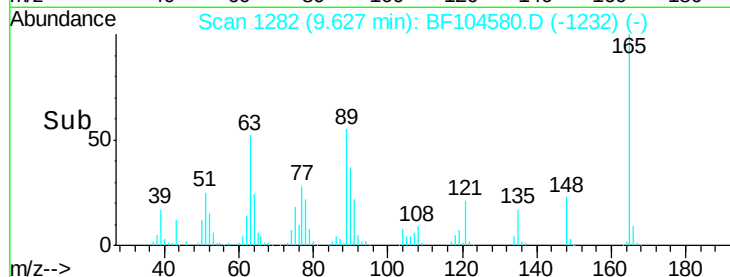
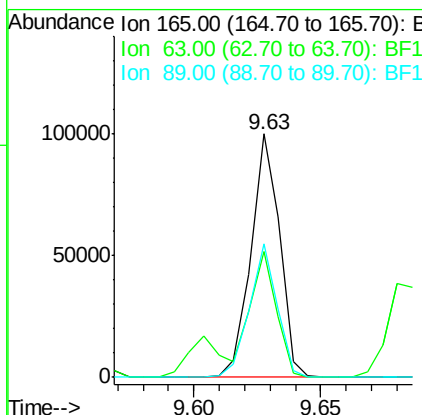
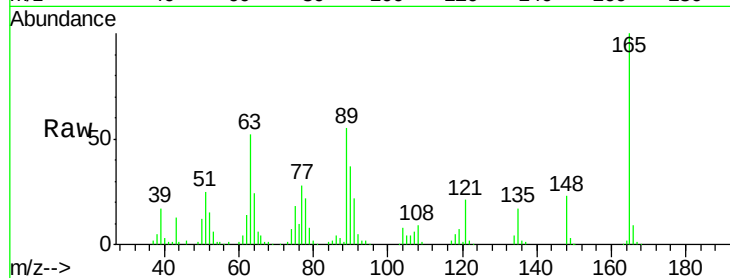
#50
2,6-Dinitrotoluene
Concen: 24.166 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	78937		
63	51.9		44.7	67.1
89	55.0		44.0	66.0

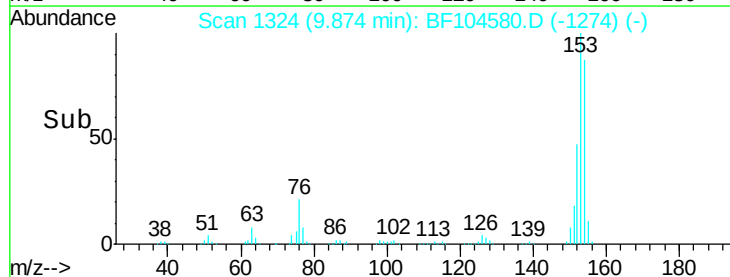
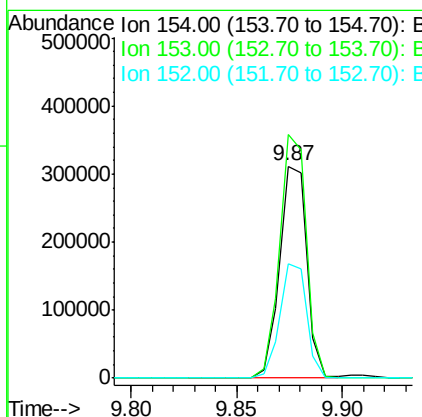
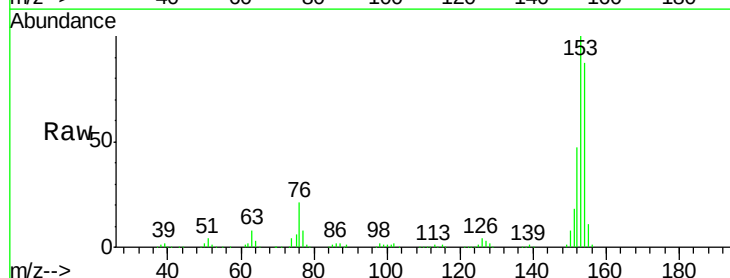
Manual Integrations
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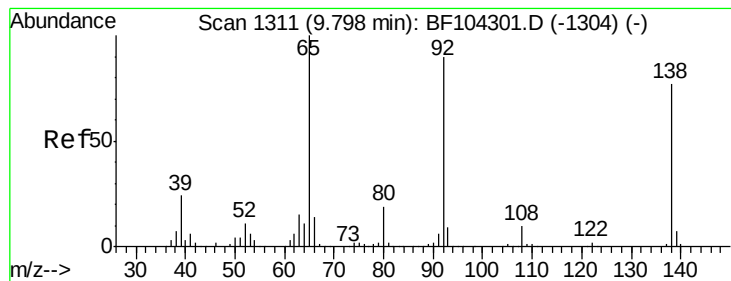
Sohil
4/18/2018 3:01:14 PM



#51
Acenaphthene
Concen: 19.646 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	279357		
153	114.8		91.2	136.8
152	54.1		43.8	65.8





#52

3-Nitroaniline

Concen: 18.479 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MS

Tot Ion:138 Resp: 70663

Ion Ratio Lower Upper

138 100

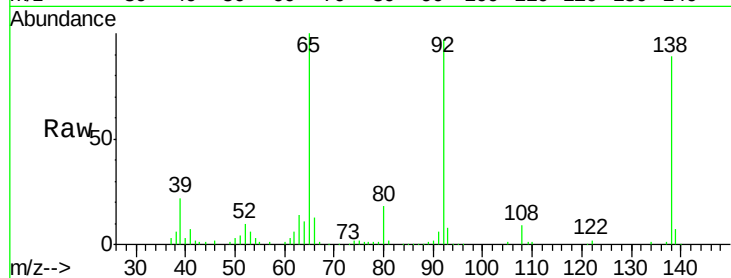
108 10.6 9.4 14.0

92 108.6 89.4 134.2

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Sohil

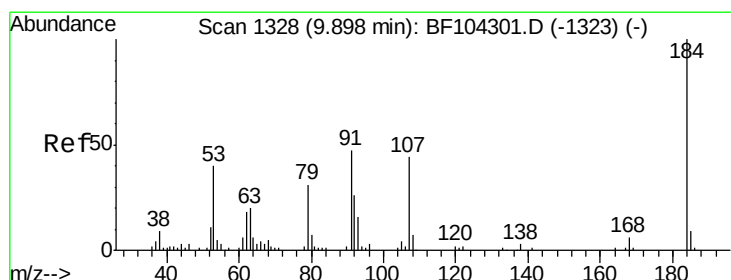
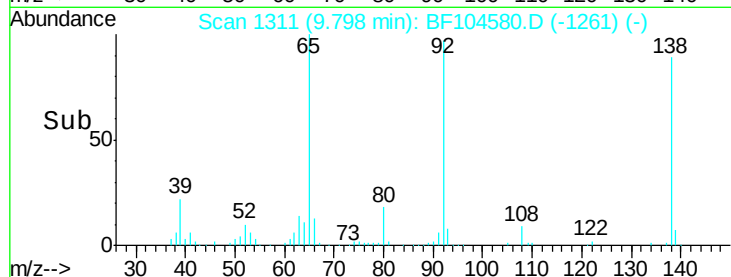
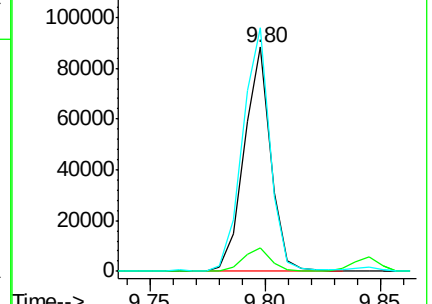
4/18/2018 3:01:14 PM



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: 13.286 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

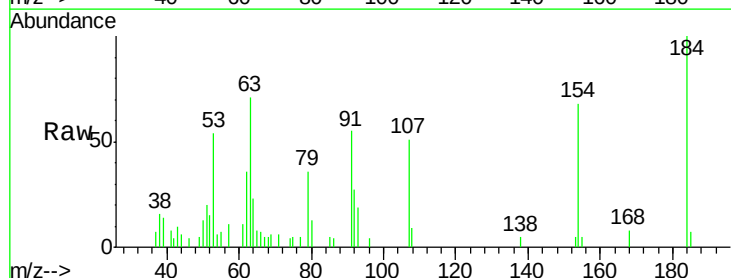
Tgt Ion:184 Resp: 7712

Ion Ratio Lower Upper

184 100

63 70.7 54.2 81.2

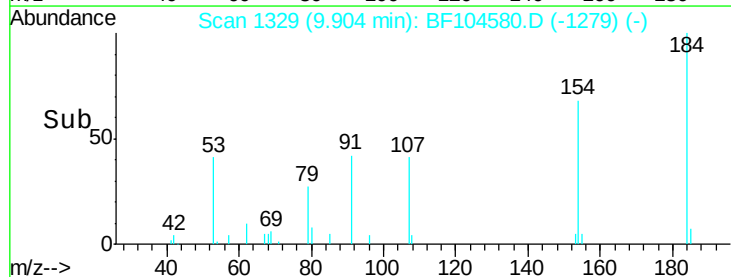
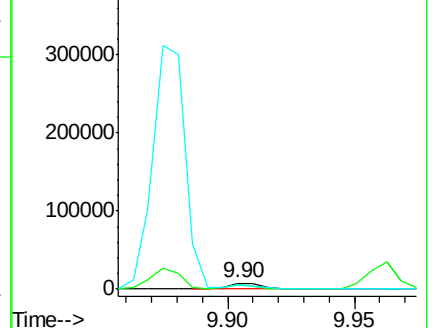
154 67.9 184.0 276.0#

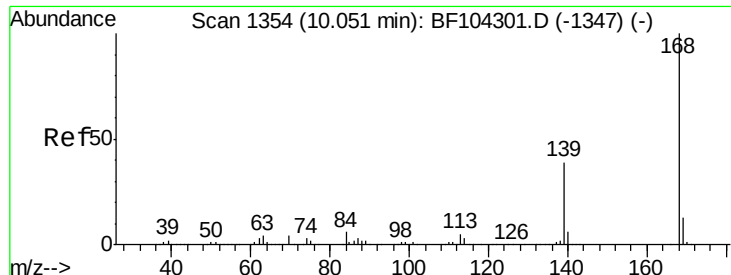


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





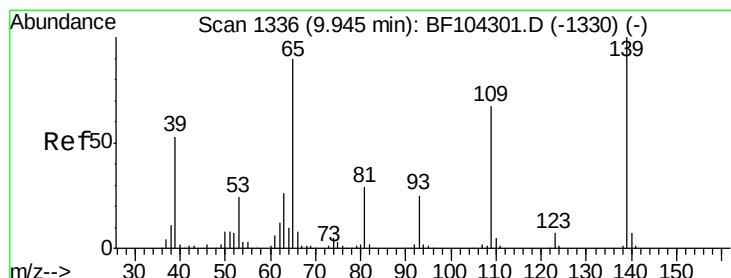
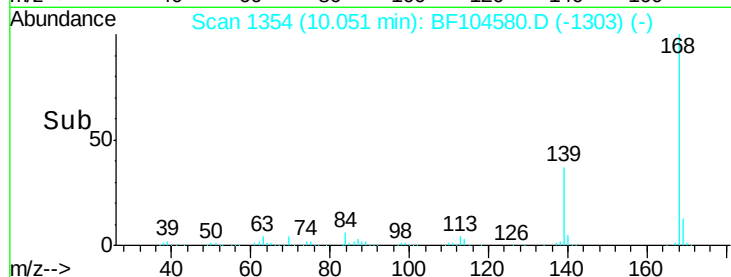
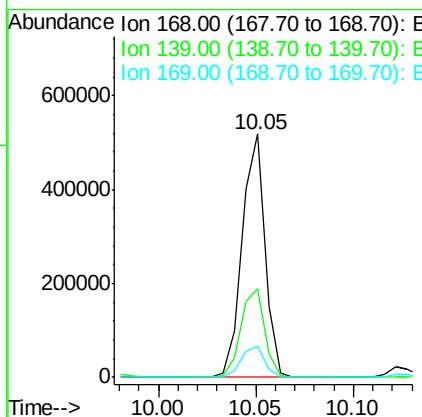
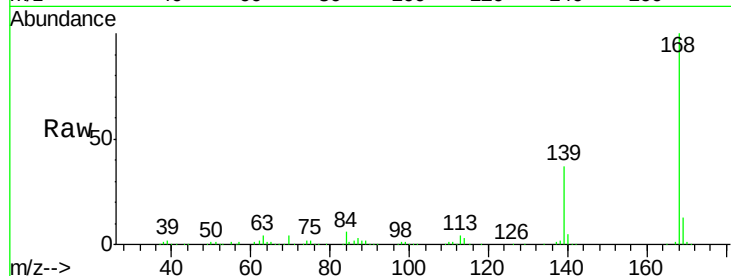
#54
Dibenzenofuran
Concen: 21.281 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.7	30.1	45.1
169	12.9	10.9	16.3

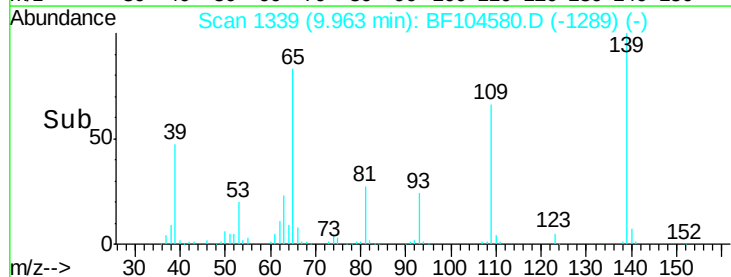
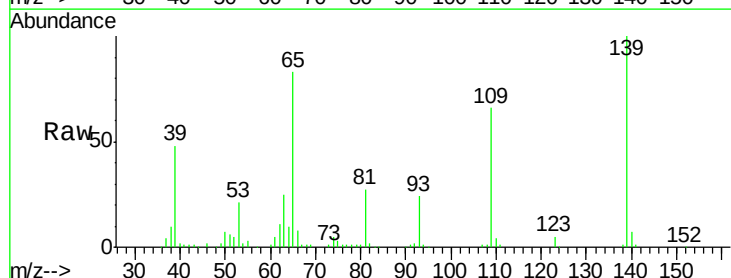
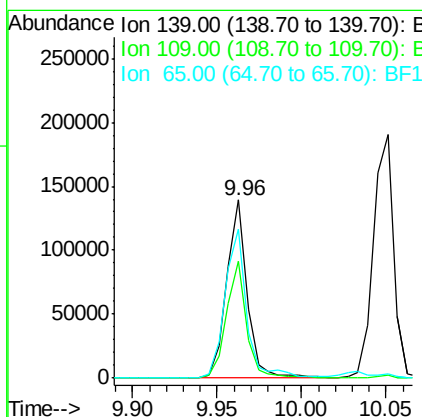
Manual Integrations
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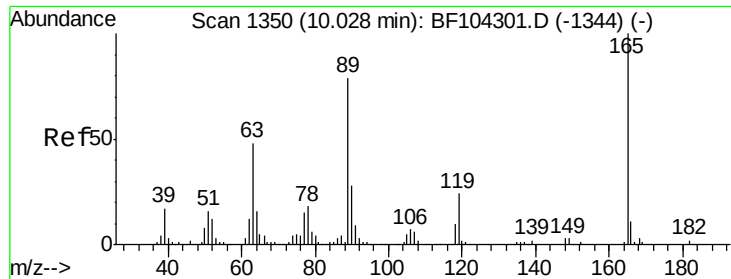
Sohil
4/18/2018 3:01:14 PM



#55
4-Nitrophenol
Concen: 39.246 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.8	48.4	88.4
65	83.4	72.6	112.6





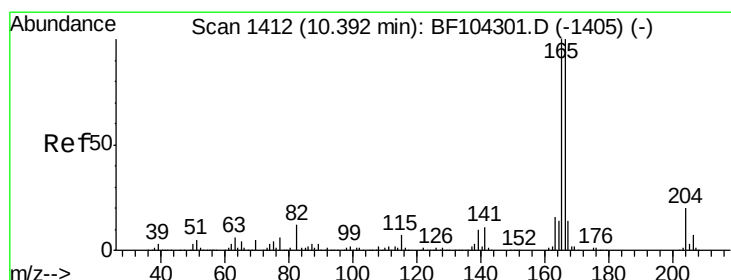
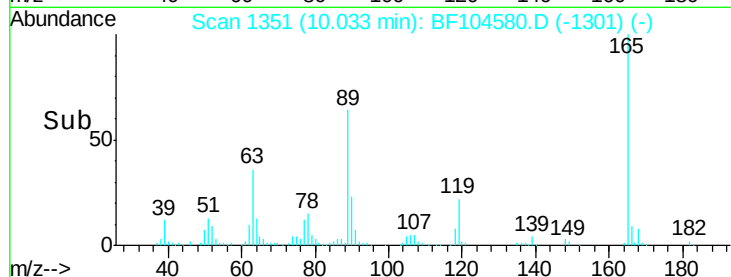
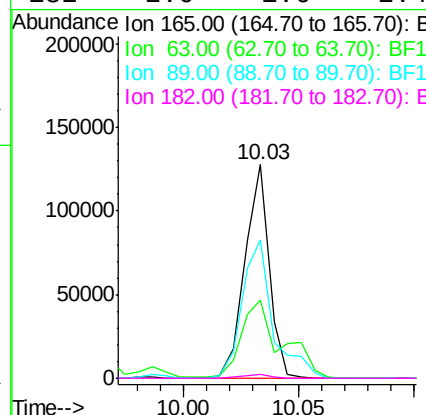
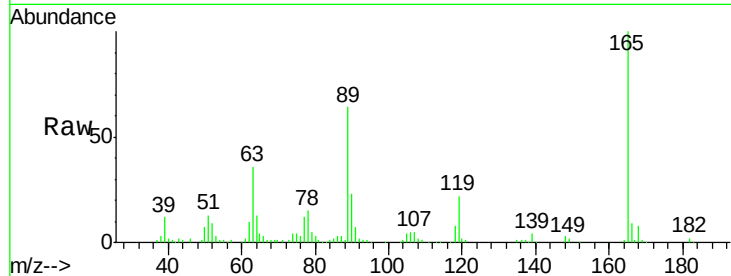
#56
2,4-Dinitrotoluene
Concen: 21.921 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		93923		
63	36.3	36.4	54.6		
89	64.4	57.8	86.6		
182	2.0	1.6	2.4		

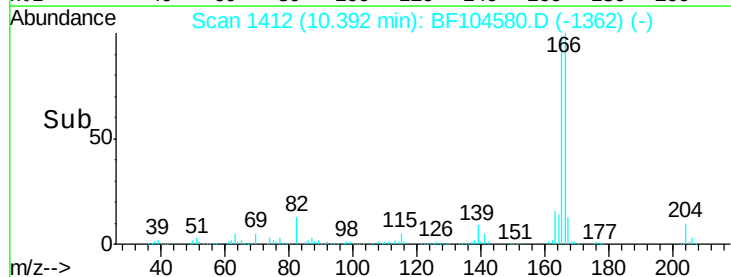
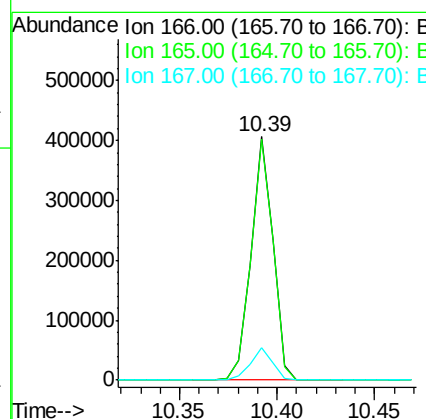
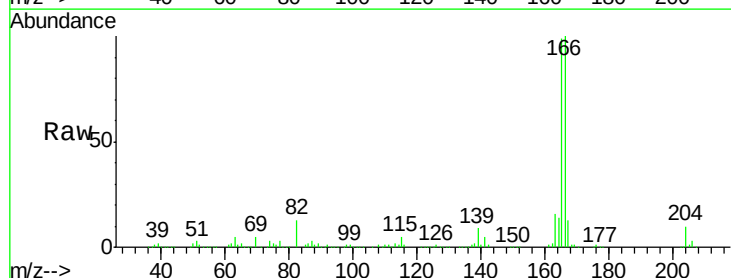
Manual Integrations
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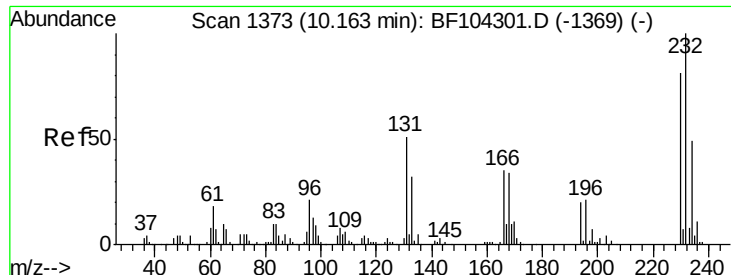
Sohil
4/18/2018 3:01:14 PM



#57
Fluorene
Concen: 21.891 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		315741		
165	98.9	79.8	119.8		
167	13.3	10.6	16.0		





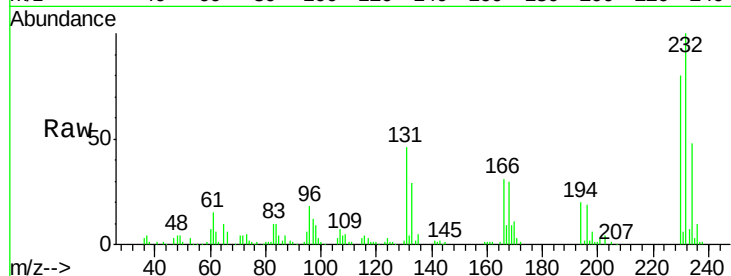
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 19.823 ng
 RT: 10.17 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

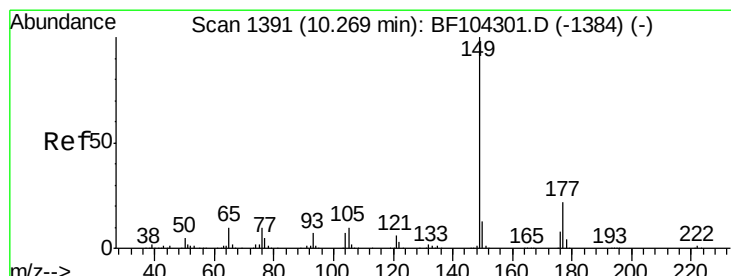
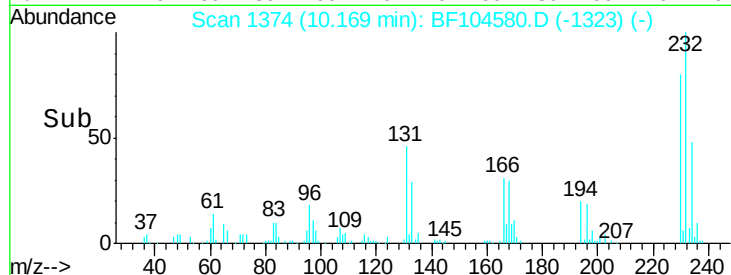
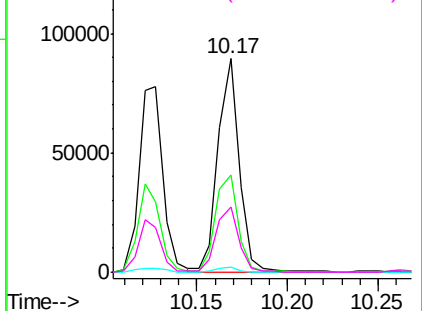
Tot Ion	Ratio	Lower	Upper
232	100		
131	48.8	43.8	65.8
130	2.2	2.1	3.1
166	32.3	27.8	41.6

Manual Integrations
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 4/18/2018 3:01:14 PM

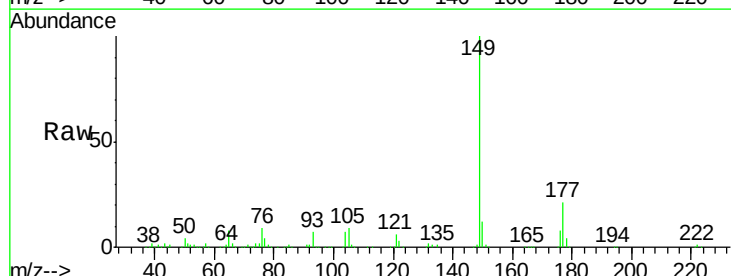


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

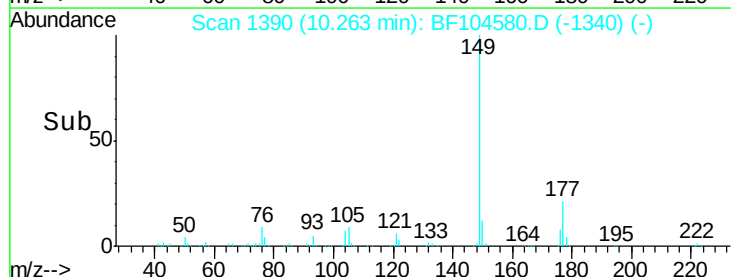
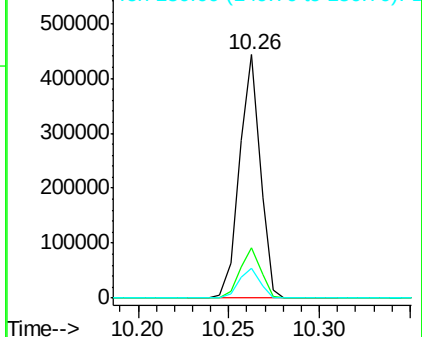


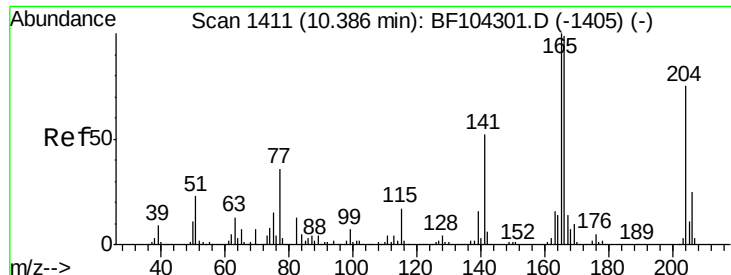
#59
 Diethylphthalate
 Concen: 20.089 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	16.1	24.1
150	12.4	10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





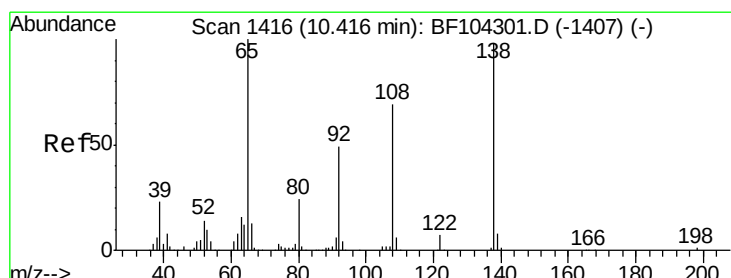
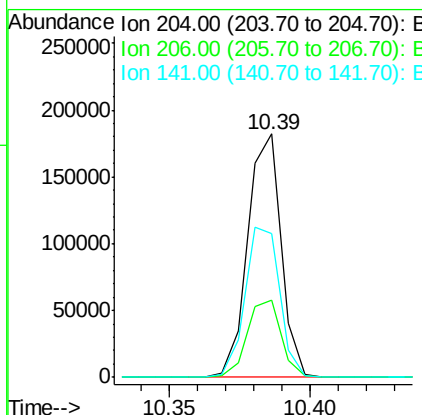
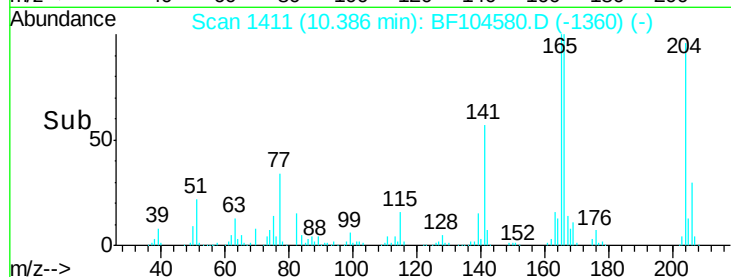
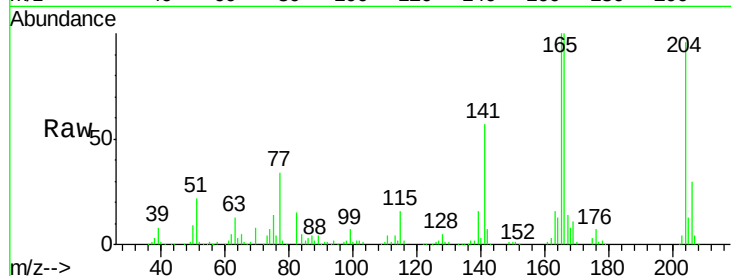
#60
 4-Chlorophenyl-phenylether
 Concen: 23.257 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion:	204	Resp:	149390
Ion Ratio	Lower	Upper	
204	100		
206	31.7	26.5	39.7
141	59.2	54.6	81.8

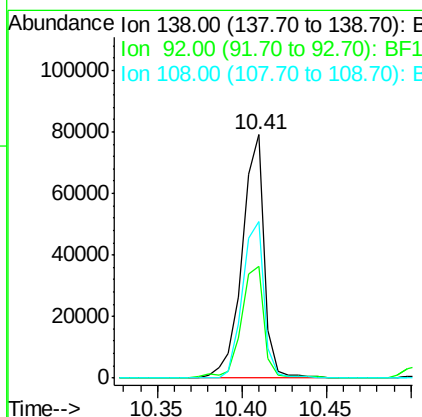
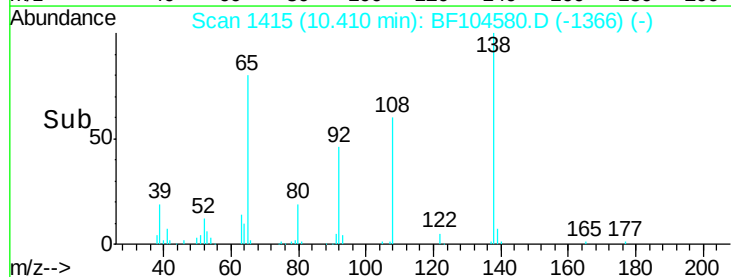
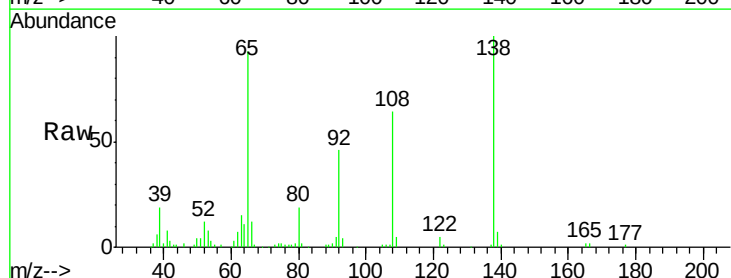
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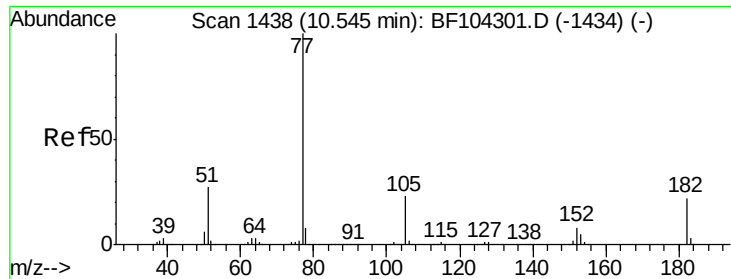
Sohil
 4/18/2018 3:01:14 PM



#61
 4-Nitroaniline
 Concen: 19.315 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion:	138	Resp:	72219
Ion Ratio	Lower	Upper	
138	100		
92	46.1	30.2	70.2
108	64.3	52.5	92.5





#62

Azobenzene

Concen: 18.559 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

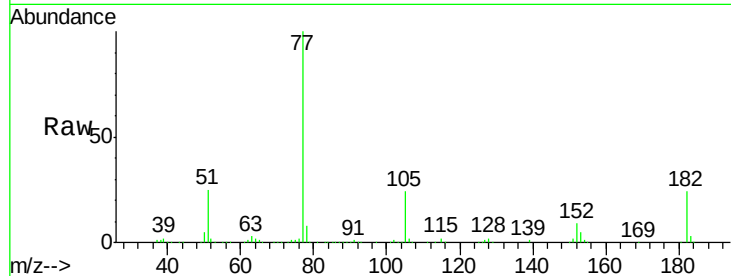
ClientSampleId :

NAA-WS-005MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		311725		
182	24.4	1.7	41.7		
105	24.2	3.0	43.0		
51	25.0	9.9	49.9		

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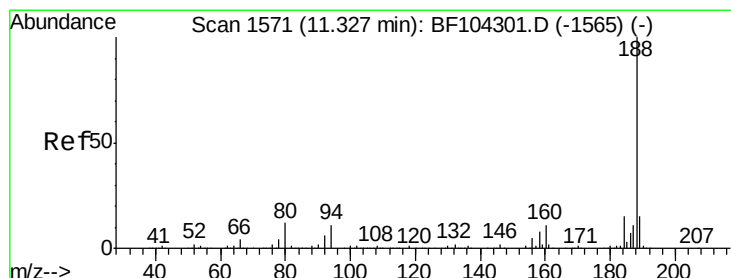
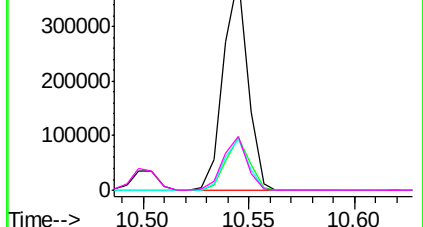
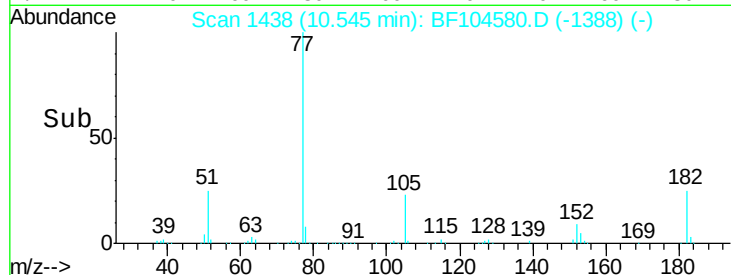


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

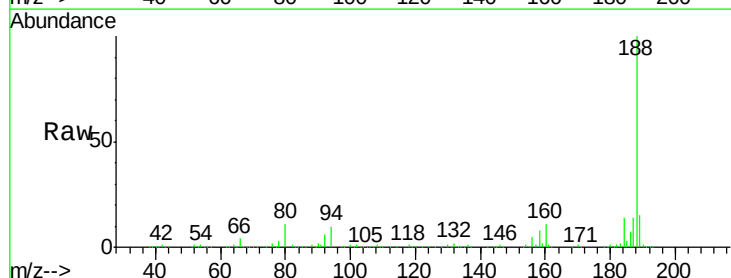
RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

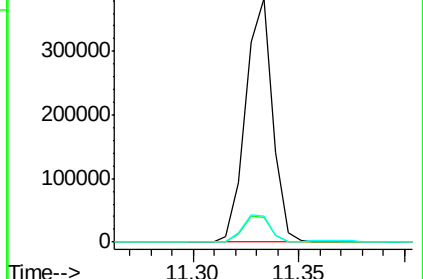
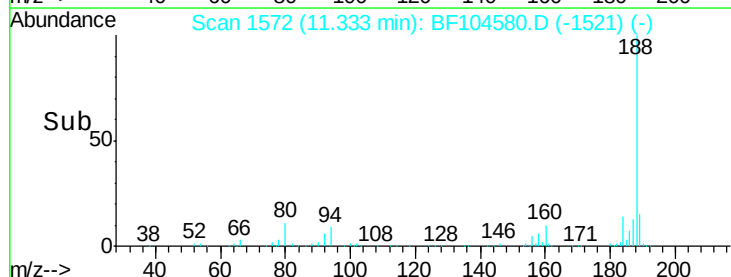
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		338150		
94	10.4	8.5	12.7		
80	10.9	9.2	13.8		

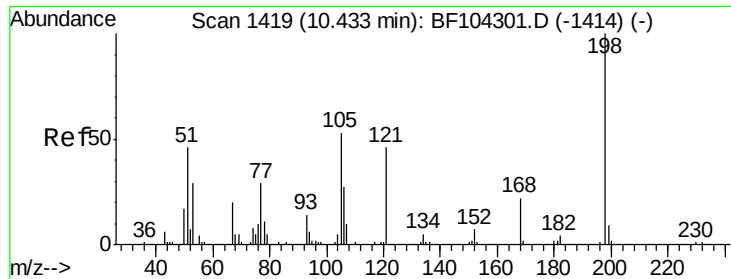


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





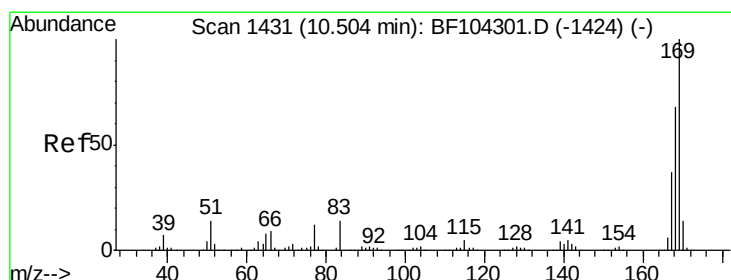
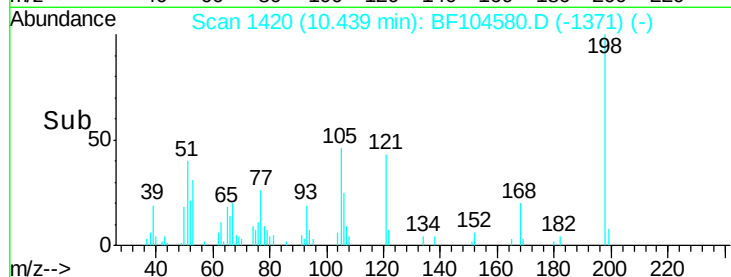
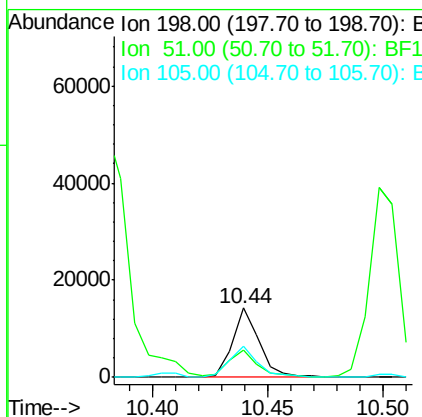
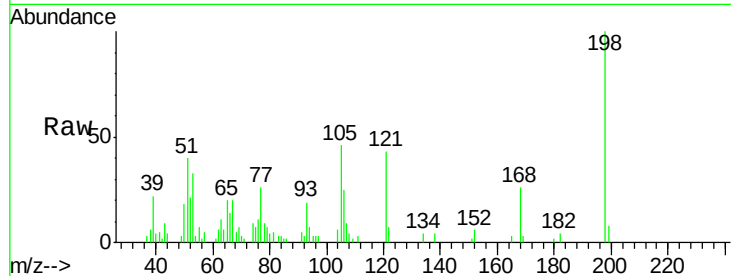
#64
4,6-Dinitro-2-methylphenol
Concen: 13.273 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.5	37.7	77.7
105	45.9	36.3	76.3

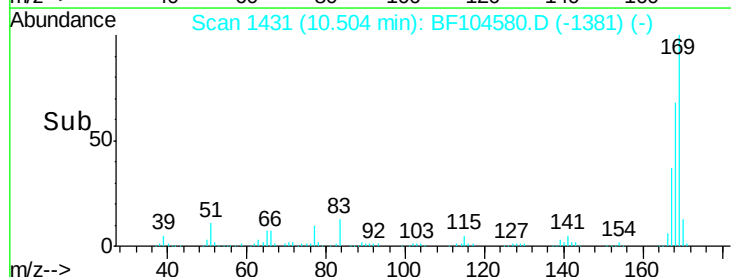
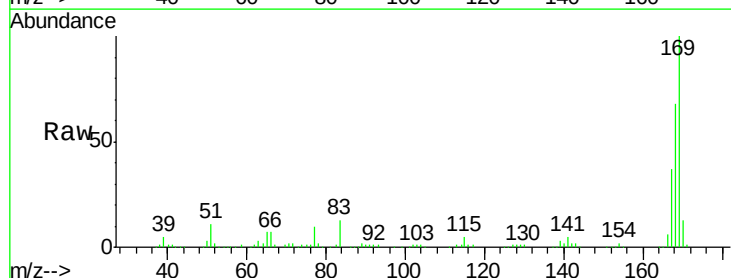
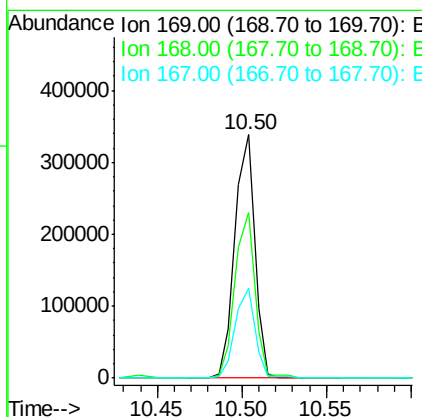
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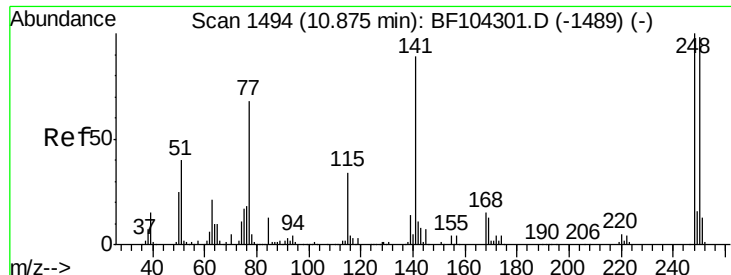
Sohil
4/18/2018 3:01:14 PM



#65
n-Nitrosodiphenylamine
Concen: 23.751 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.1	54.4	81.6
167	37.1	29.8	44.6





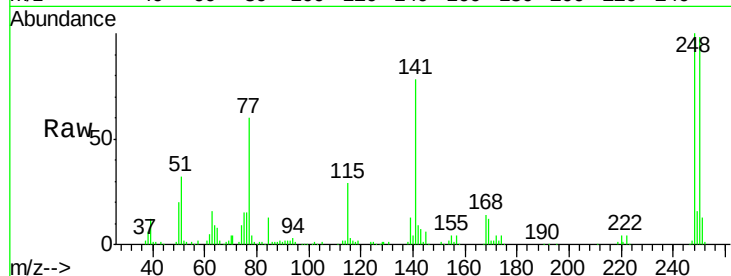
#66
4-Bromophenyl-phenylether
Concen: 23.126 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampled :
NAA-WS-005MS

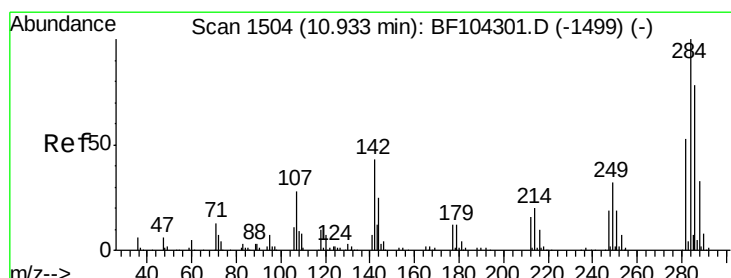
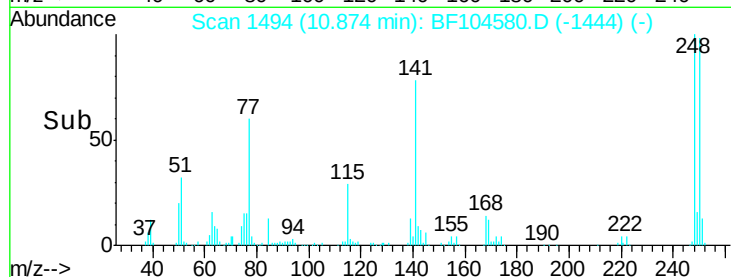
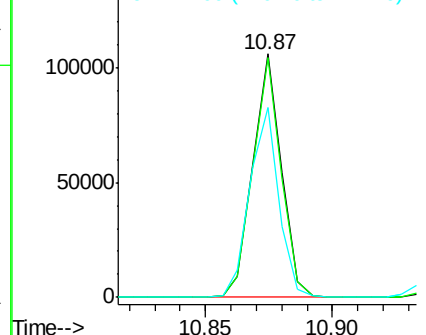
Tot Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.9	115.3
141	77.8	74.4	111.6

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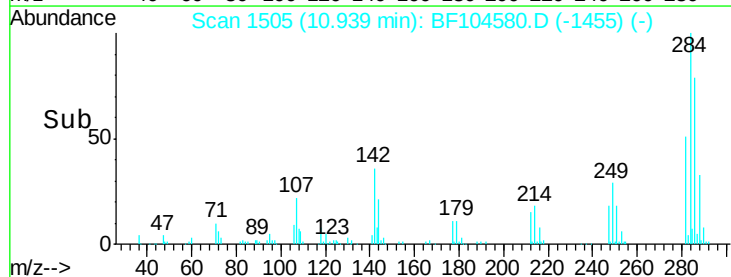
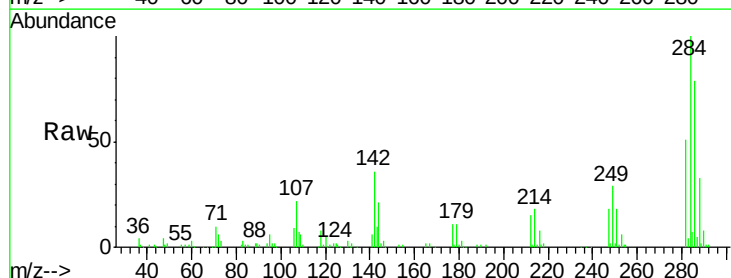
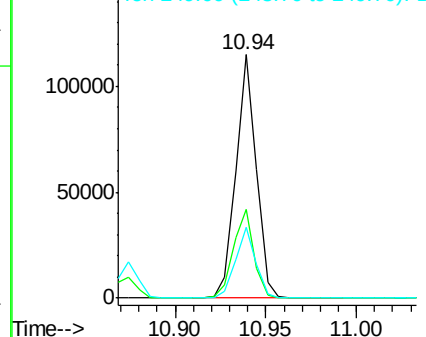
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

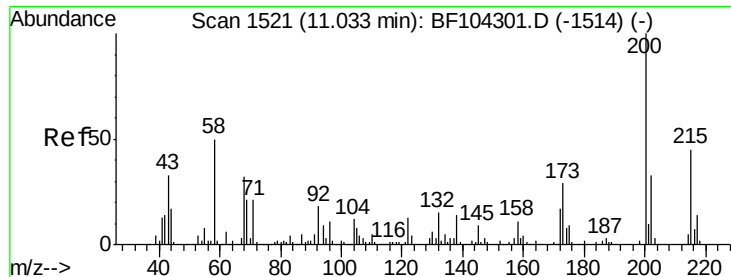


#67
Hexachlorobenzene
Concen: 22.324 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.3	34.6	52.0
249	29.1	24.8	37.2

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





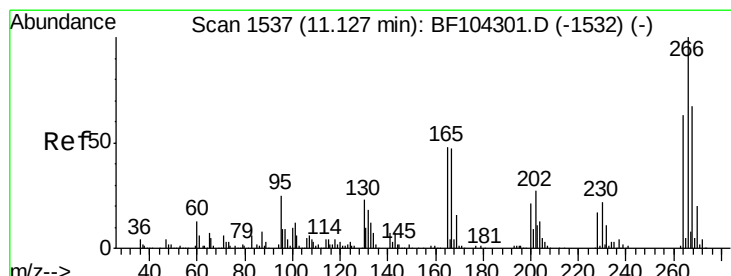
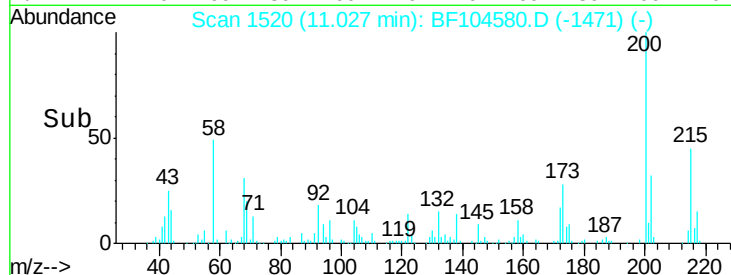
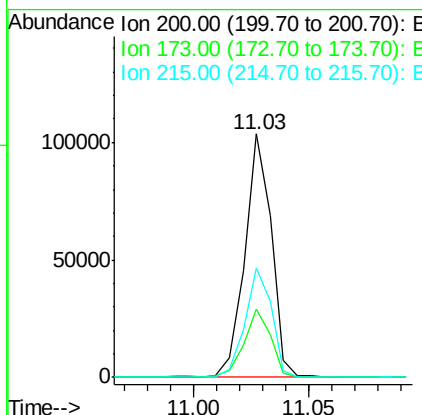
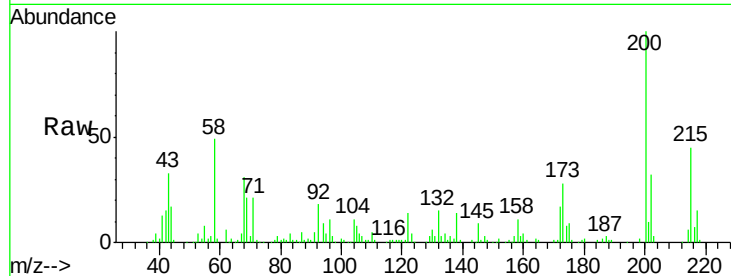
#68
 Atrazine
 Concen: 23.460 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.1	8.6	48.6
215	44.8	25.1	65.1

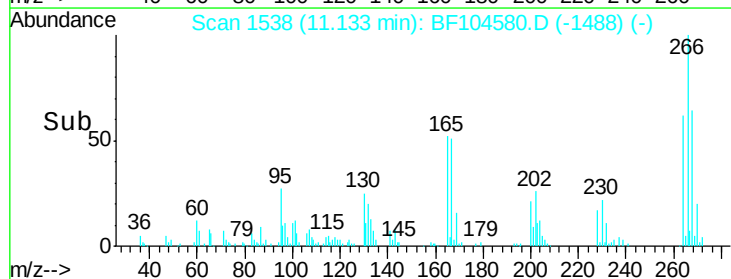
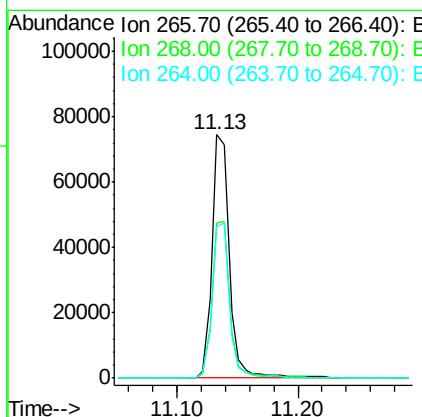
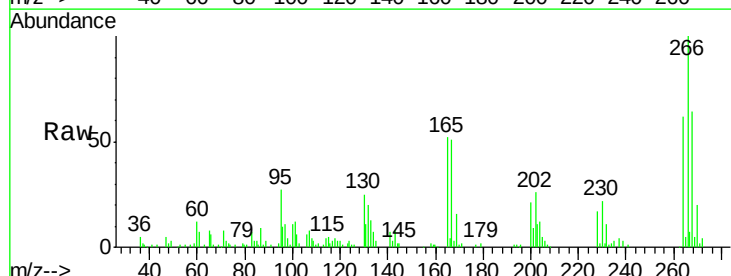
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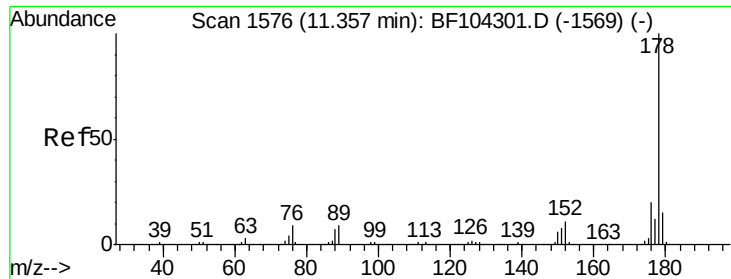
Sohil
 4/18/2018 3:01:14 PM



#69
 Pentachlorophenol
 Concen: 29.340 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.6	51.1	76.7
264	62.4	49.5	74.3





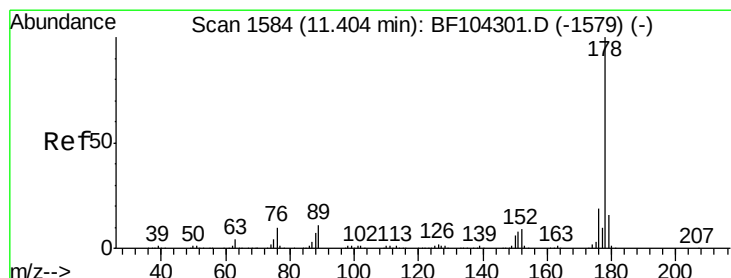
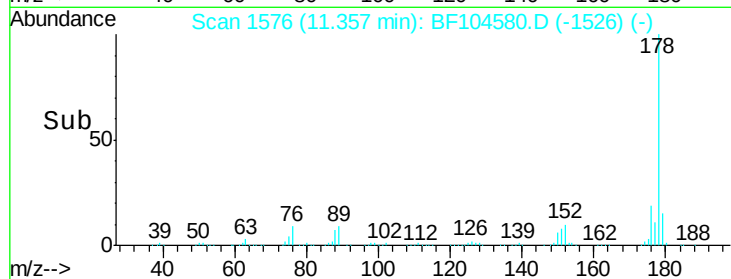
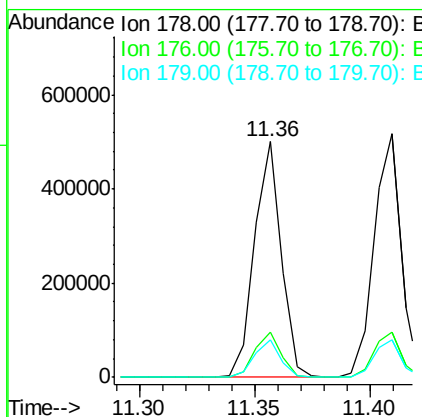
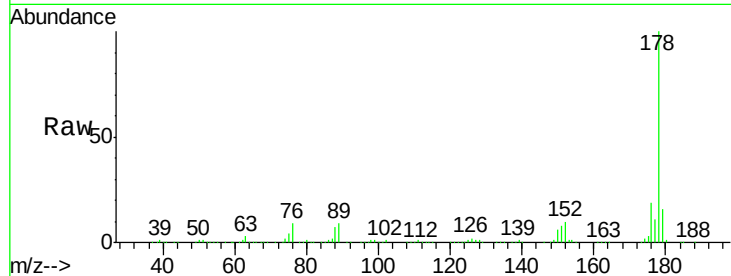
#70
 Phenanthrene
 Concen: 21.612 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6

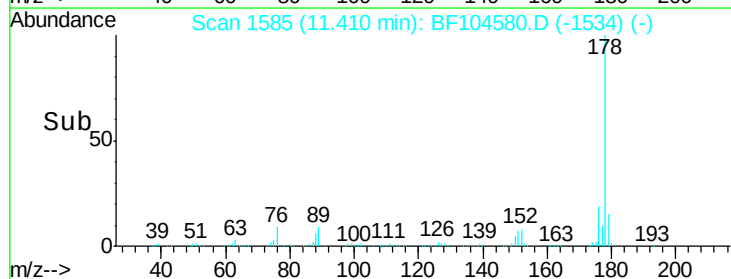
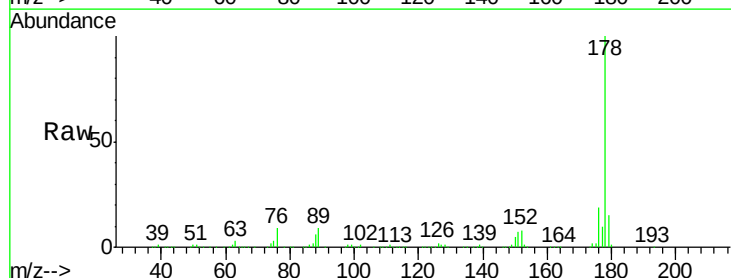
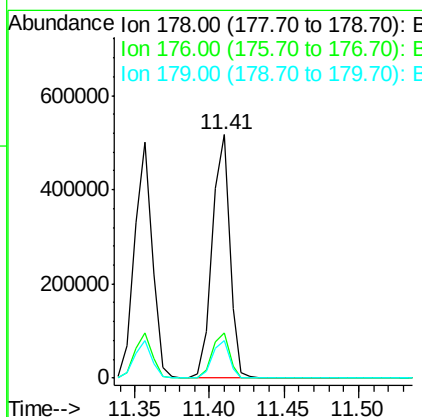
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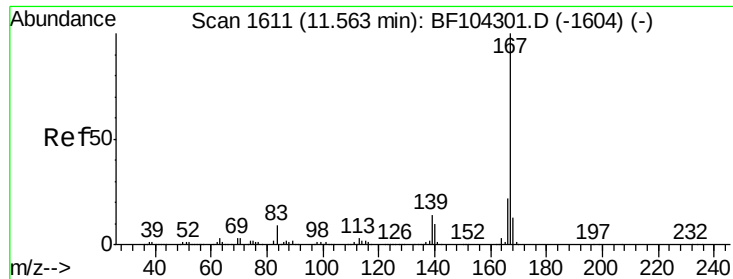
Sohil
 4/18/2018 3:01:14 PM



#71
 Anthracene
 Concen: 21.985 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 20.399 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MS

Tot Ion:167 Resp: 381571

Ion Ratio Lower Upper

167 100

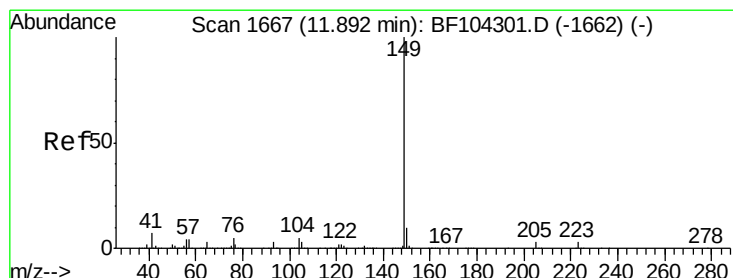
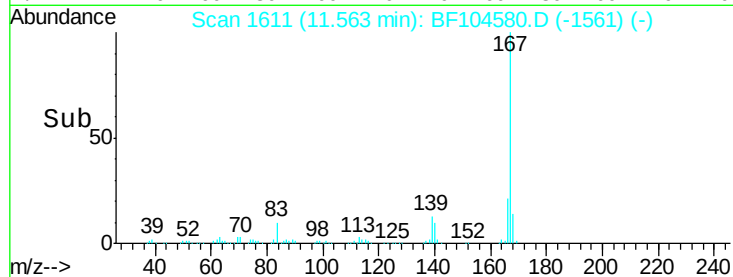
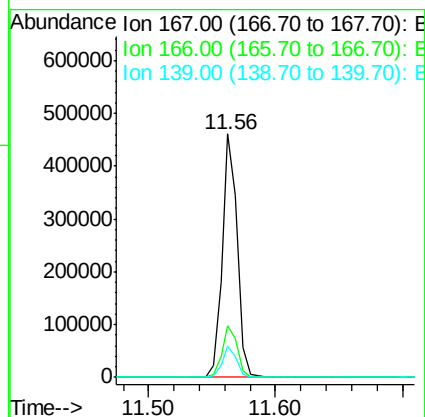
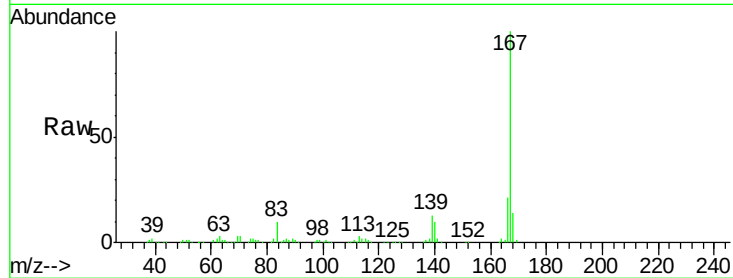
166 21.4 17.6 26.4

139 13.0 10.9 16.3

Manual Integrations
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Sohil

4/18/2018 3:01:14 PM



#73

Di-n-butylphthalate

Concen: 21.676 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

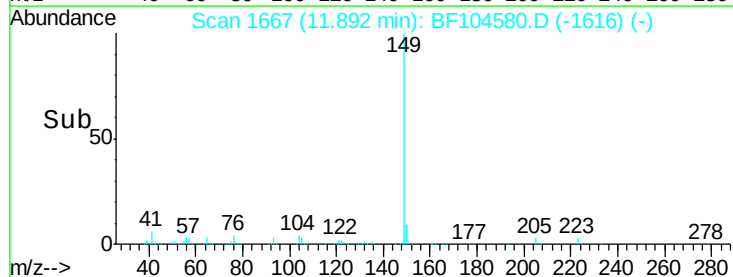
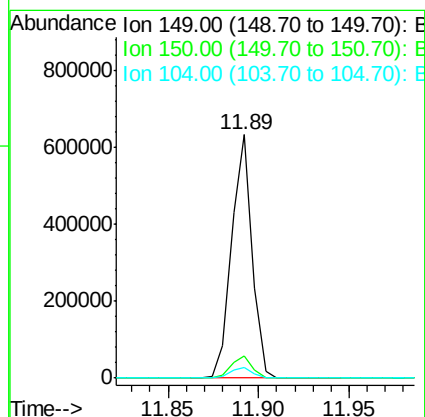
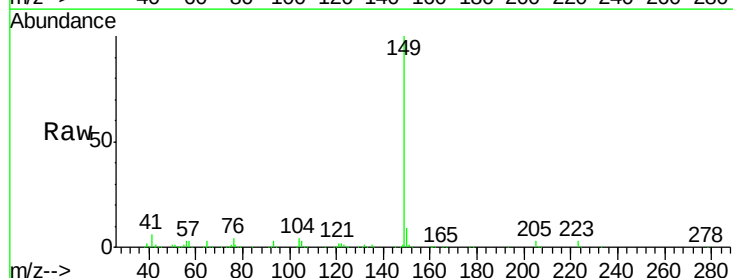
Tgt Ion:149 Resp: 495291

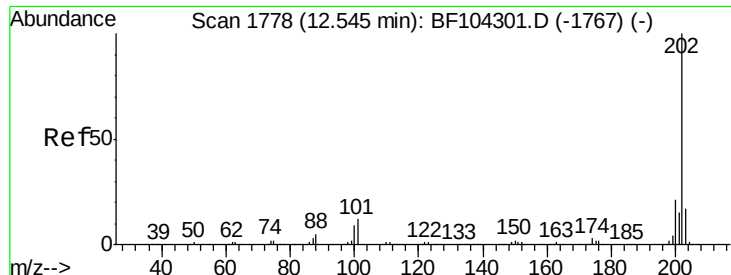
Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

104 4.4 3.8 5.8





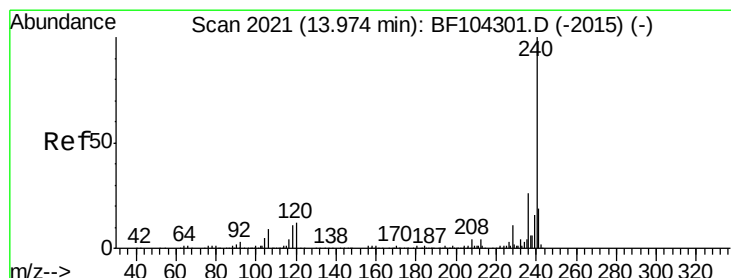
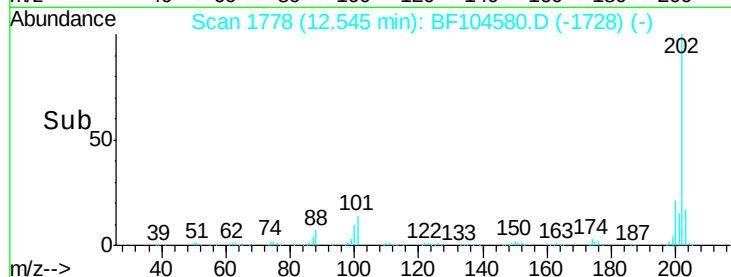
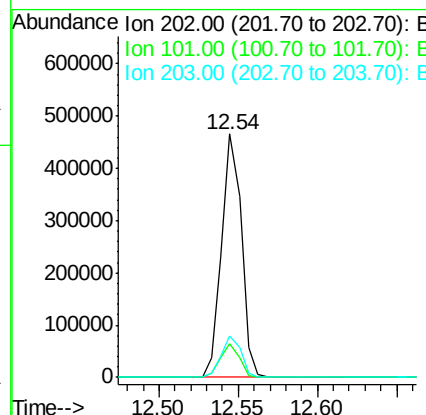
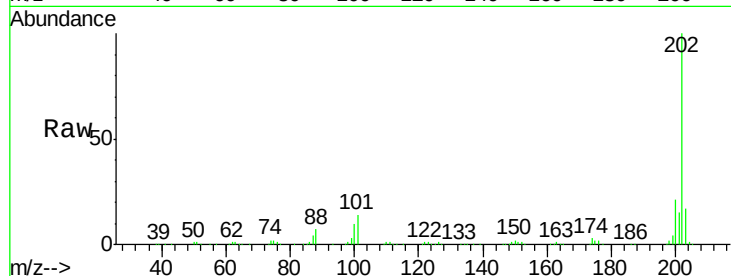
#74
Fluoranthene
Concen: 20.584 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.3	0.0	38.1

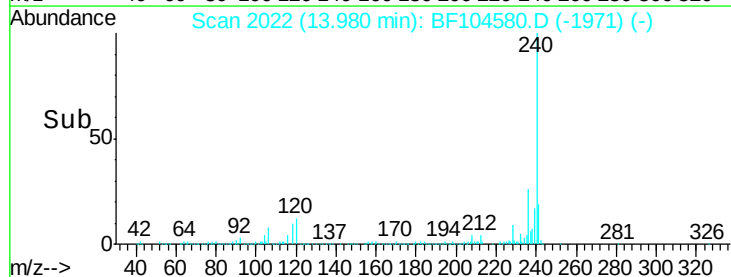
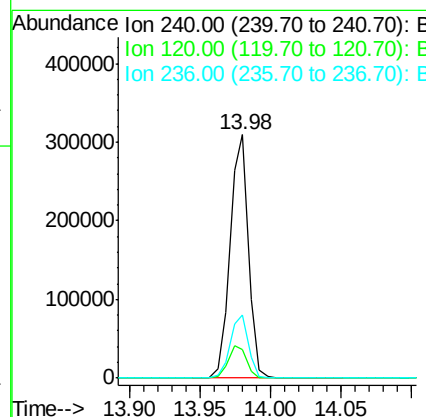
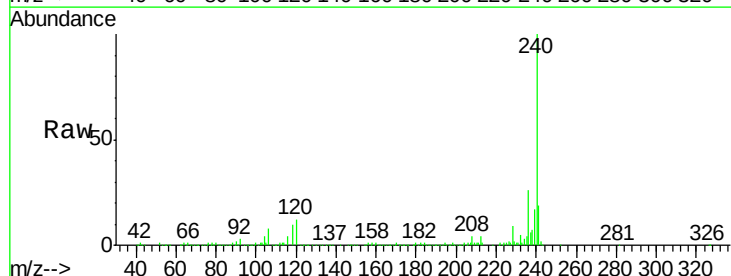
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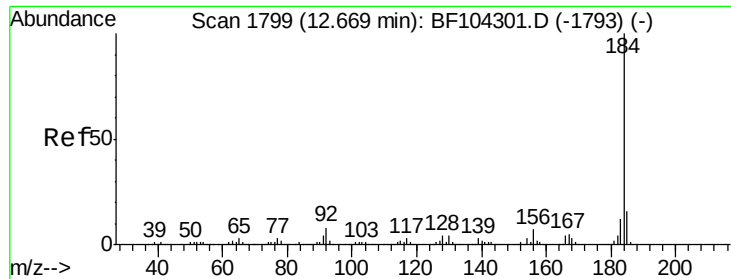
Sohil
4/18/2018 3:01:14 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.8	20.7	31.1





#76

Benzidine

Concen: 26.674 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

NAA-WS-005MS

Tot Ion:184 Resp: 278838

Ion Ratio Lower Upper

184 100

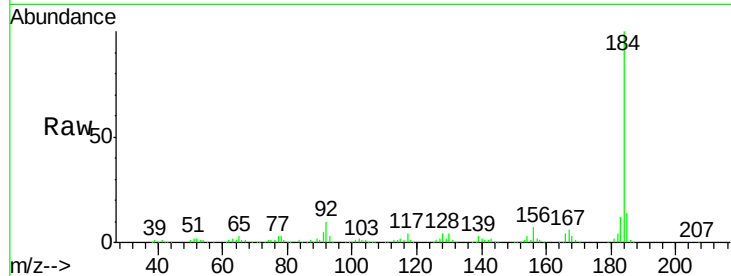
185 14.0 12.6 18.8

183 12.0 9.3 13.9

Manual Integrations
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Sohil

4/18/2018 3:01:14 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.67

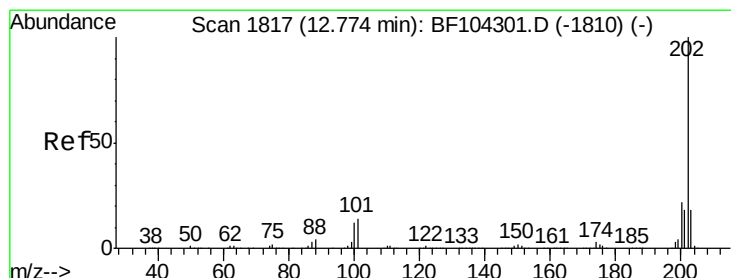
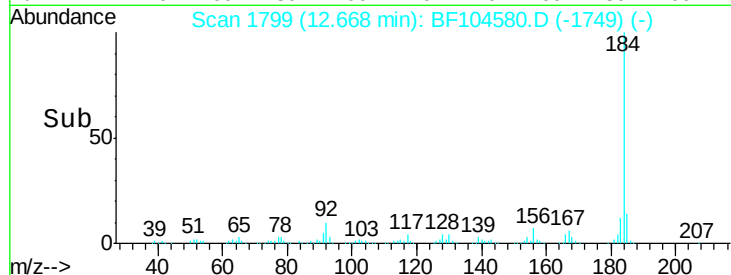
300000

200000

100000

0

Time--> 12.60 12.70 12.80



#77

Pyrene

Concen: 20.126 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104580.D

Acq: 17 Apr 2018 23:42

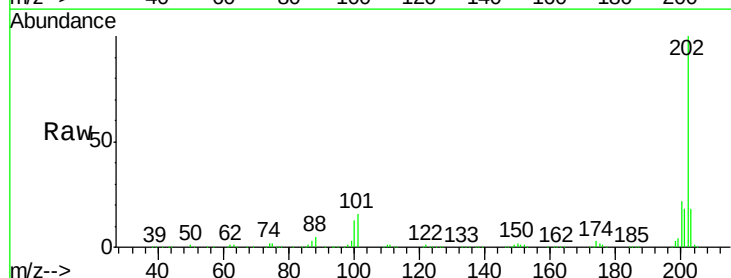
Tgt Ion:202 Resp: 414170

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.77

600000

500000

400000

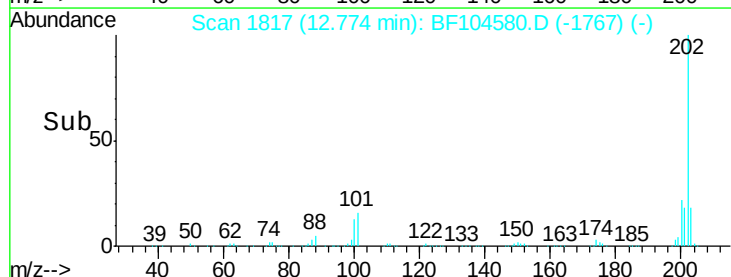
300000

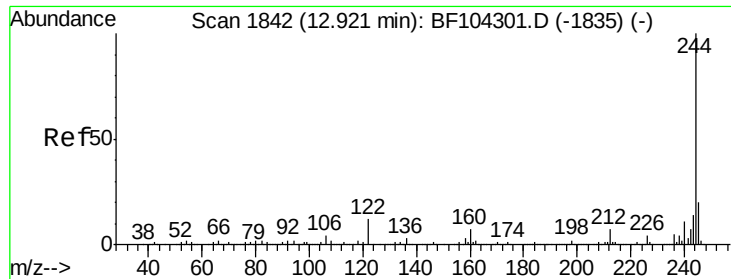
200000

100000

0

Time--> 12.70 12.80





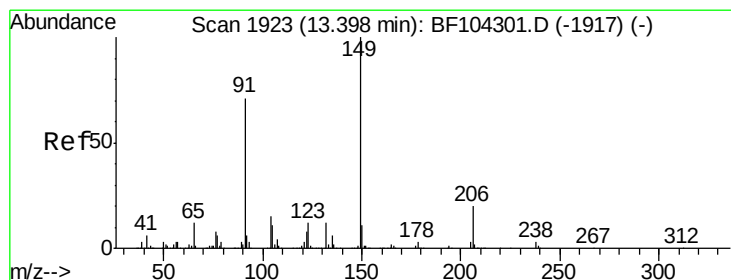
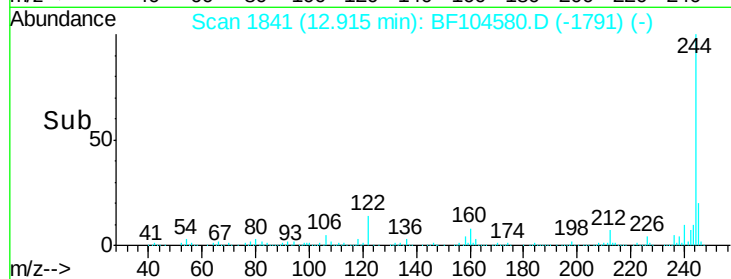
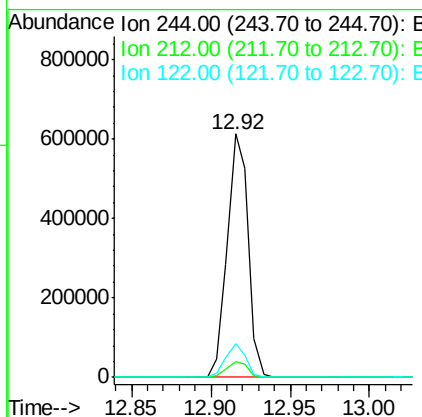
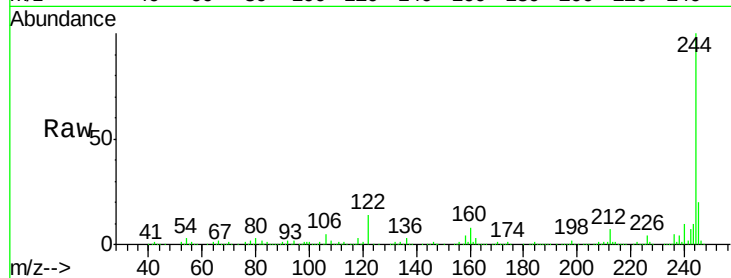
#78
 Terphenyl-d14
 Concen: 45.833 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	14.1	11.0	16.4

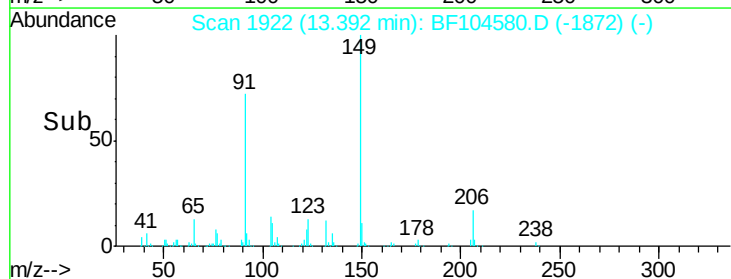
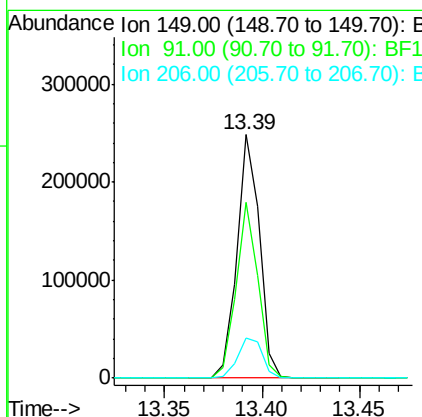
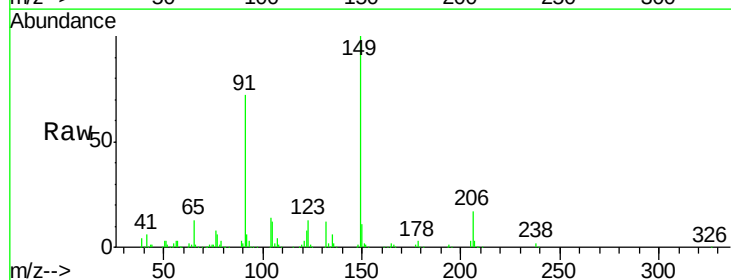
Manual Integrations
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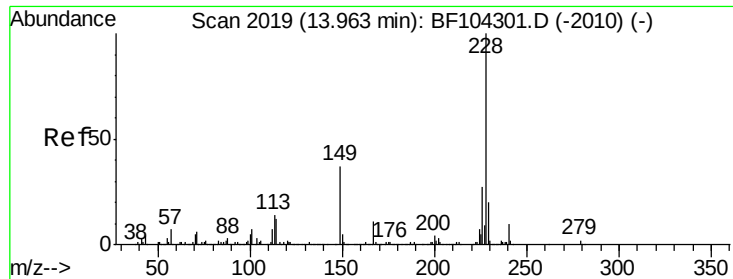
Sohil
 4/18/2018 3:01:14 PM



#79
 Butylbenzylphthalate
 Concen: 20.427 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF104580.D
 Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.5	56.8	85.2
206	16.7	14.1	21.1





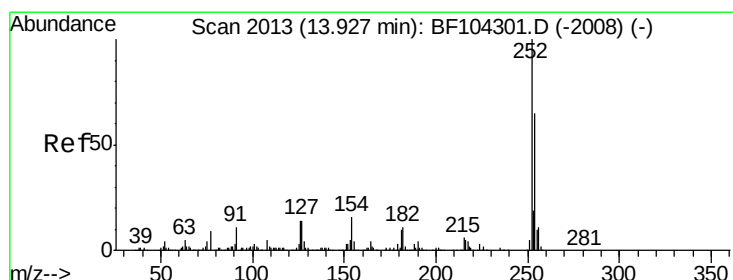
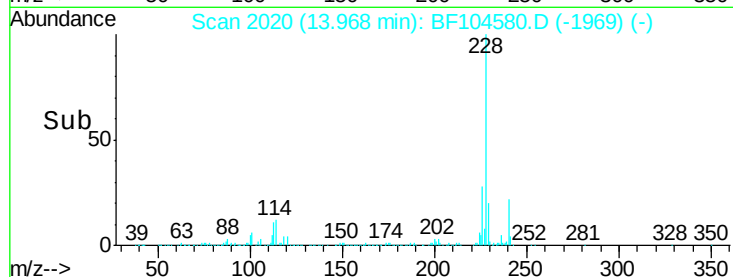
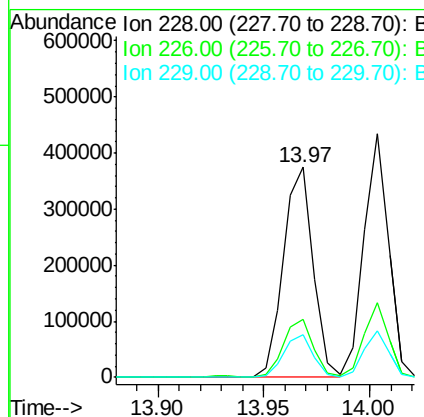
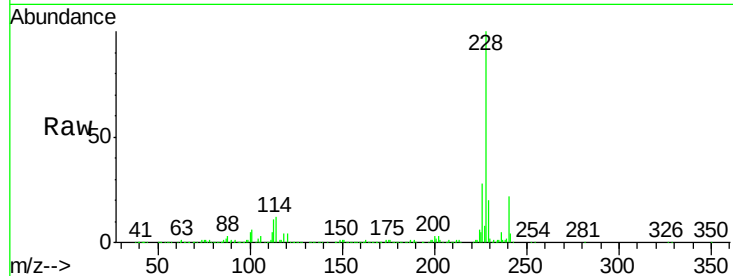
#80
Benzo(a)anthracene
Concen: 22.267 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.1	15.8	23.6

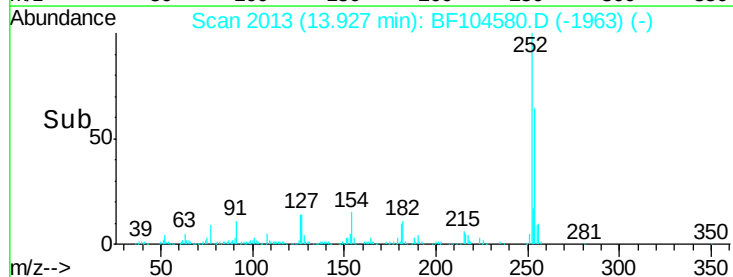
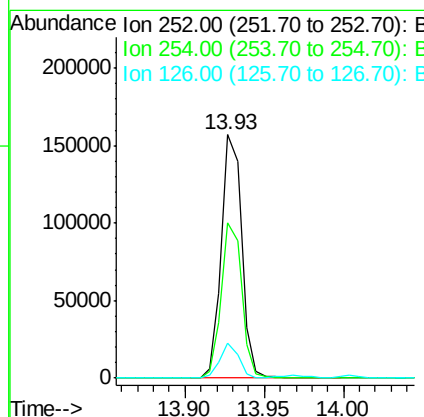
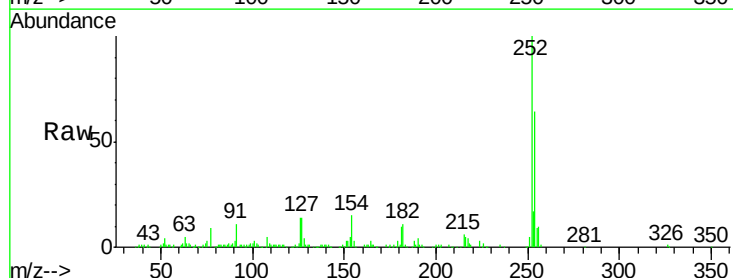
Manual Integrations
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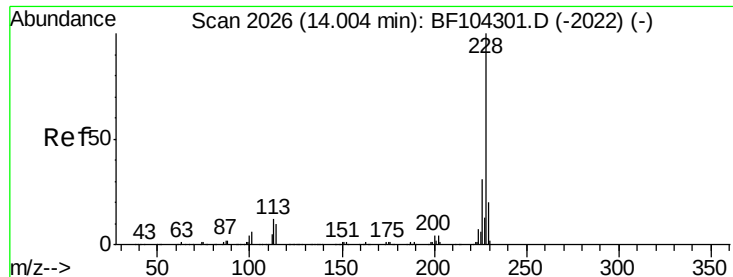
Sohil
4/18/2018 3:01:14 PM



#81
3,3'-Dichlorobenzidine
Concen: 22.727 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.4	75.6
126	14.3	11.3	16.9





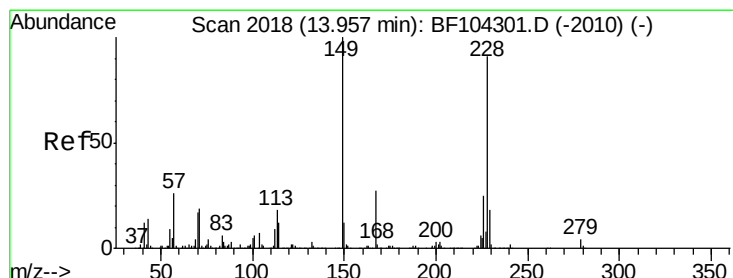
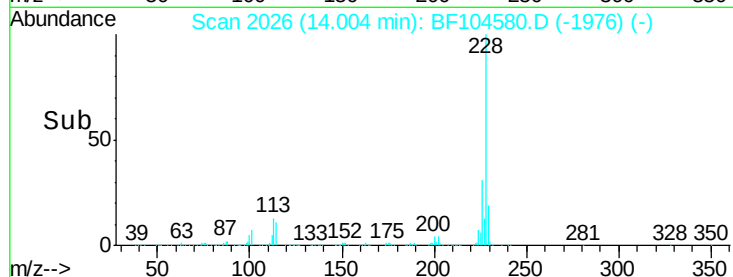
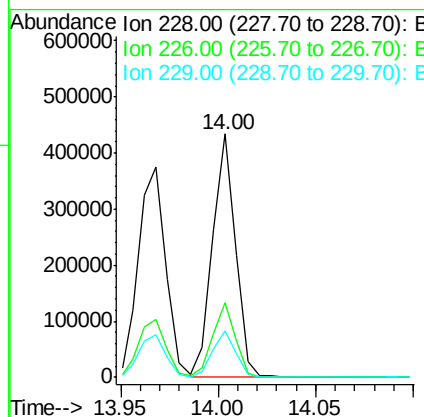
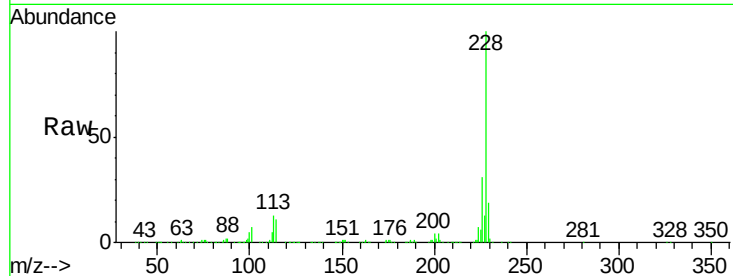
#82
Chrysene
Concen: 20.807 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion:	228	Resp:	354472
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	19.3	16.2	24.4

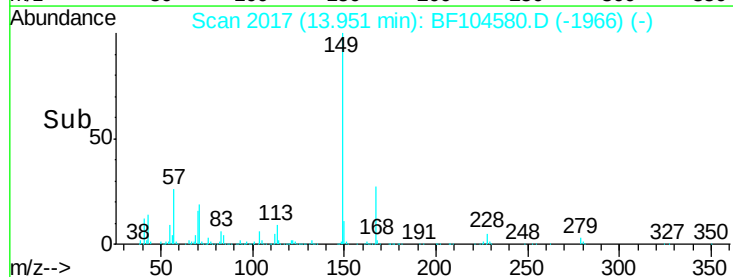
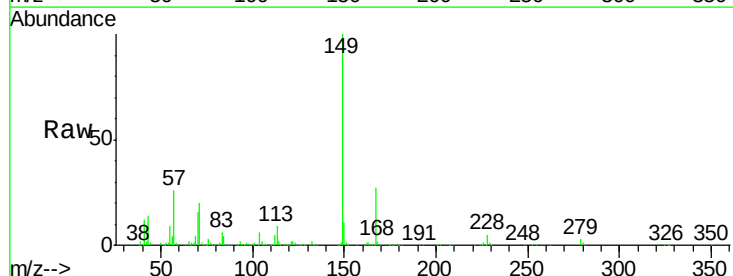
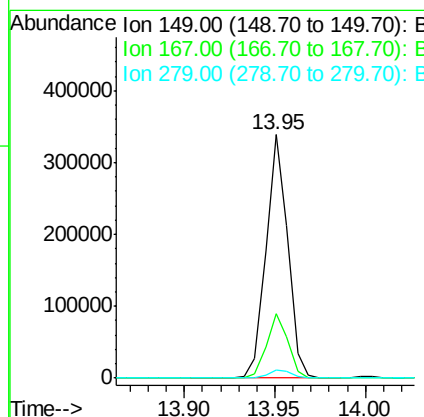
Manual Integrations
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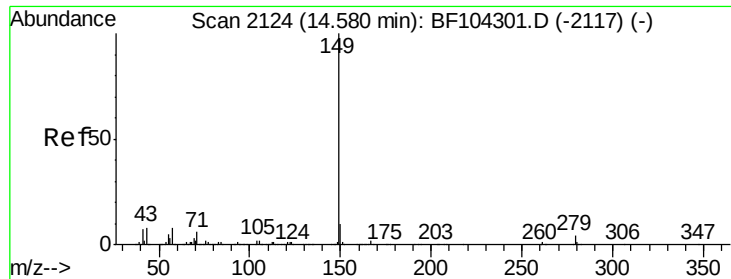
Sohil
4/18/2018 3:01:14 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 22.616 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion:	149	Resp:	282029
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.3	31.9
279	3.2	3.0	4.4





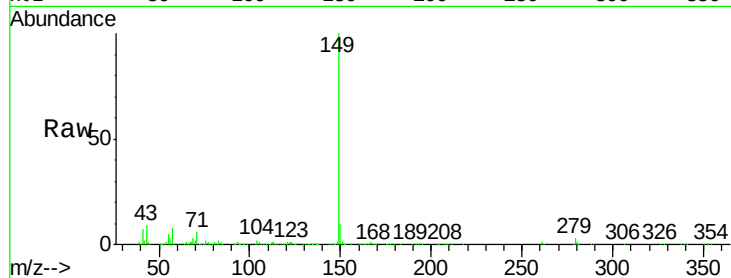
#84
Di-n-octyl phthalate
Concen: 22.798 ng
RT: 14.57 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

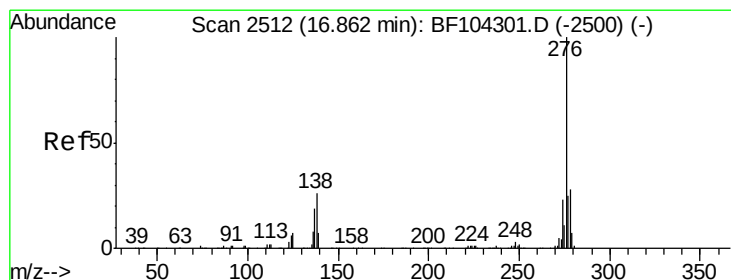
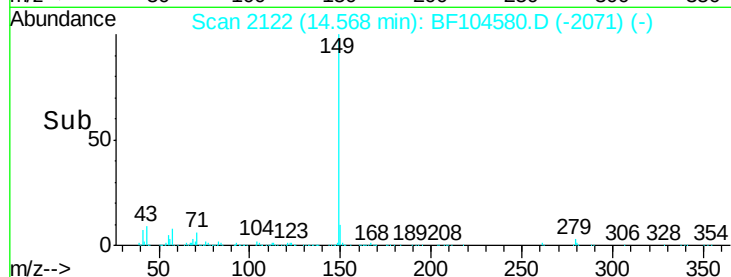
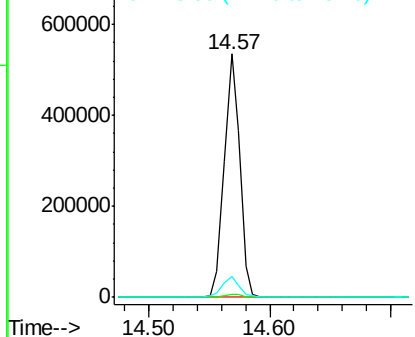
Tot Ion	Ratio	Resp	Lower	Upper
149	100	475029		
167	1.8		1.2	1.8
43	8.5		8.4	12.6

Manual Integrations
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4/18/2018 3:01:14 PM



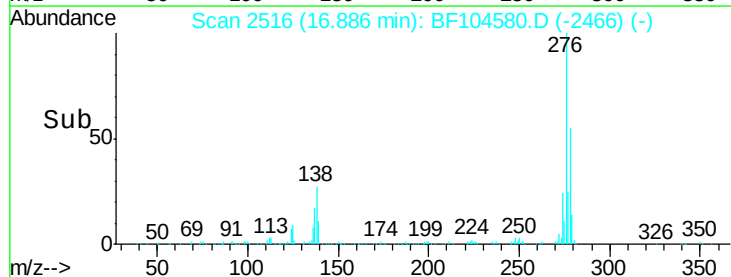
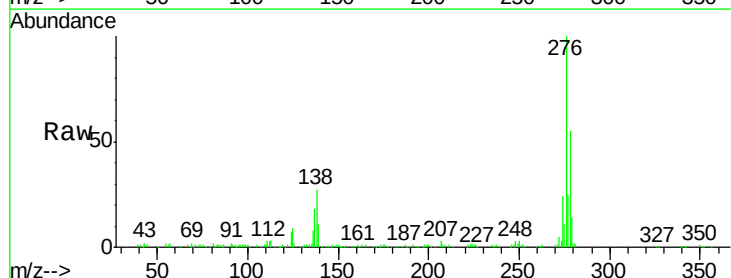
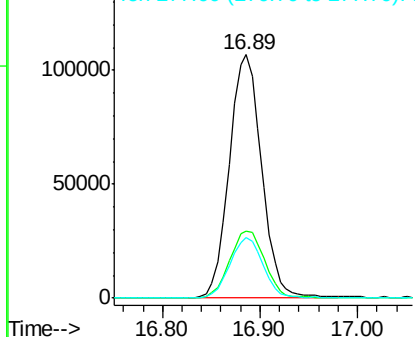
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

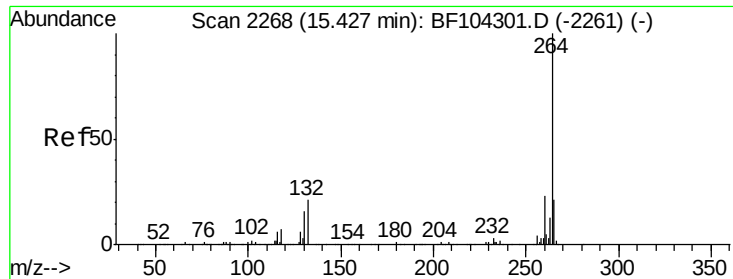


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.999 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	246004		
138	30.0		25.0	37.6
277	25.7		20.1	30.1

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





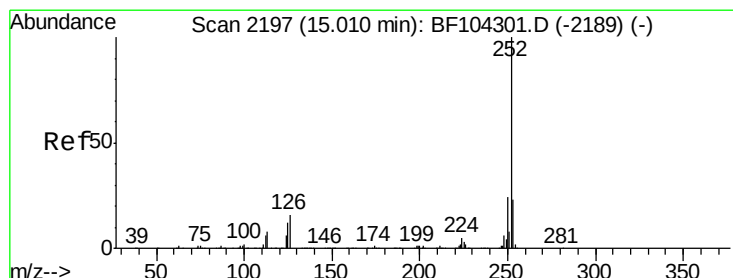
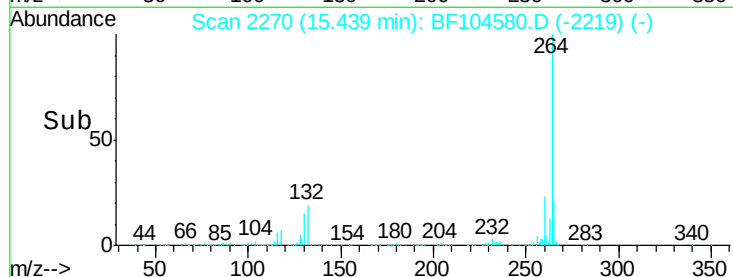
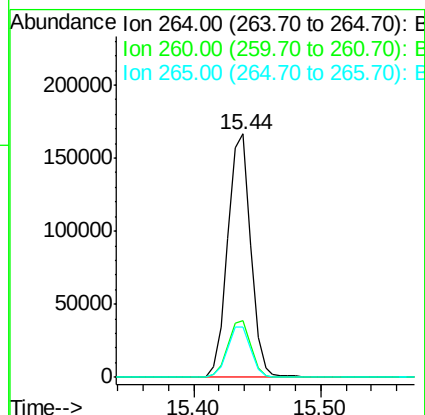
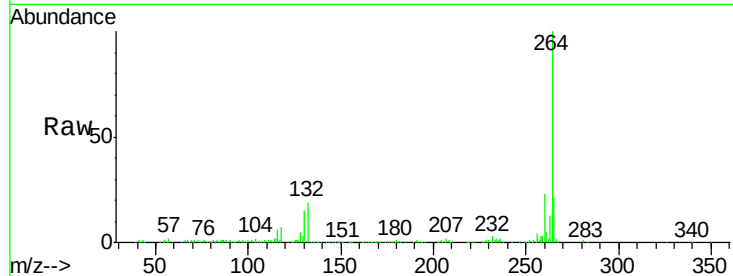
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.6	17.5	26.3

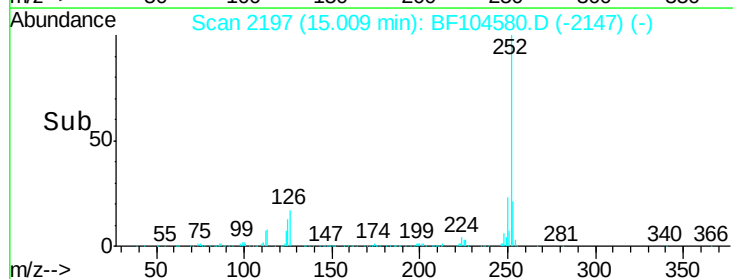
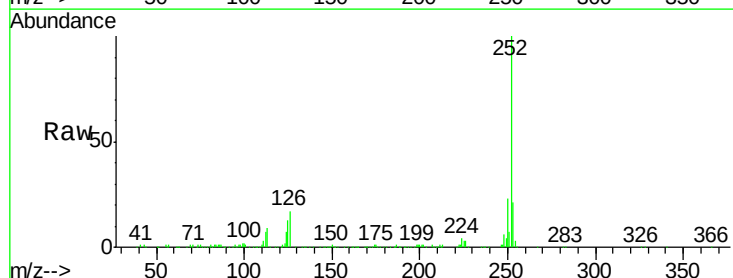
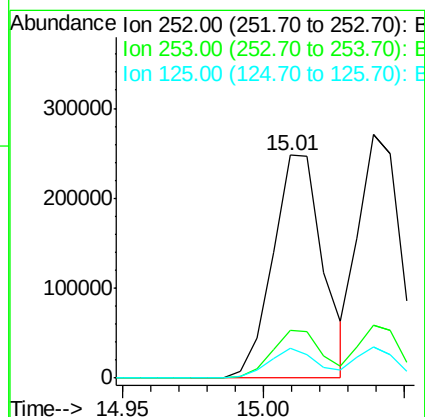
Manual Integrations
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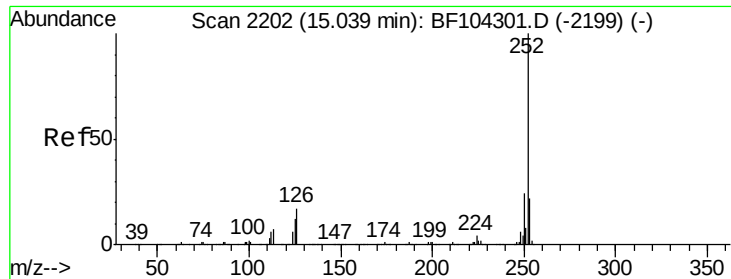
Sohil
4/18/2018 3:01:14 PM



#87
Benzo(b)fluoranthene
Concen: 23.140 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	13.2	9.0	13.6





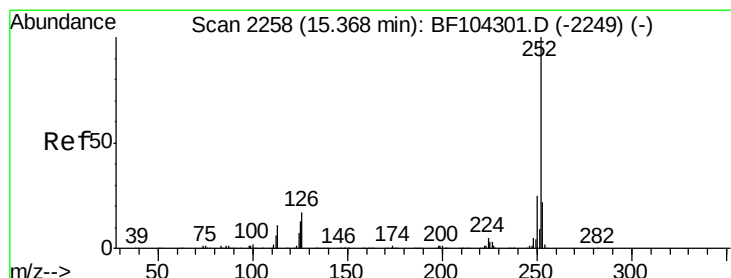
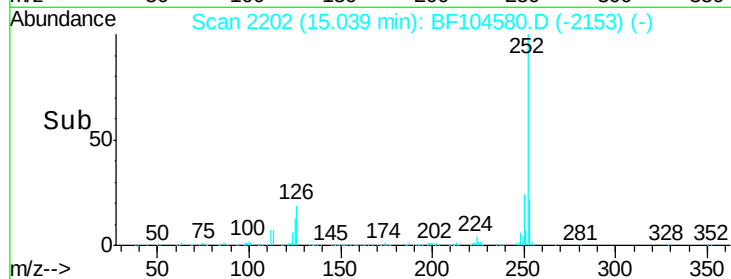
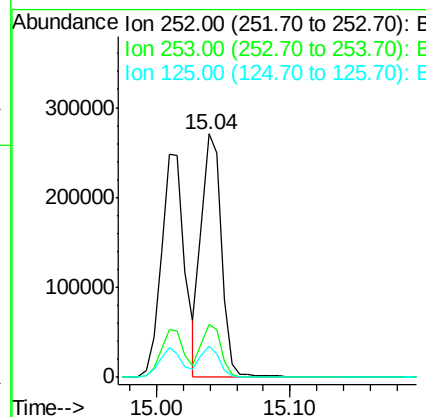
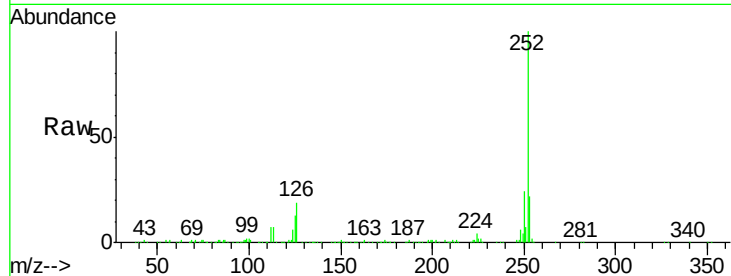
#88
Benzo(k)fluoranthene
Concen: 22.319 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.9	10.2	15.2

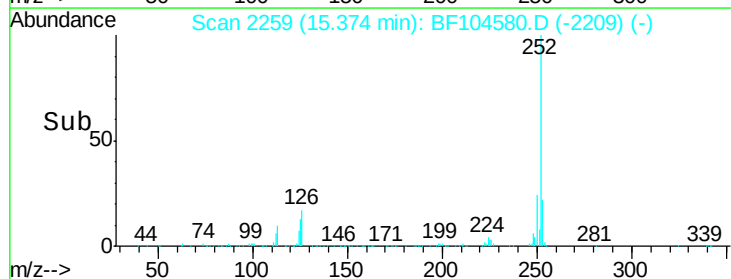
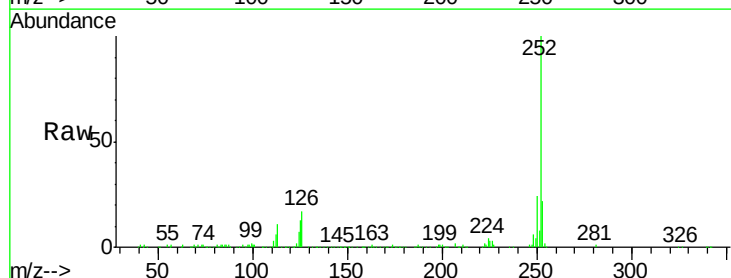
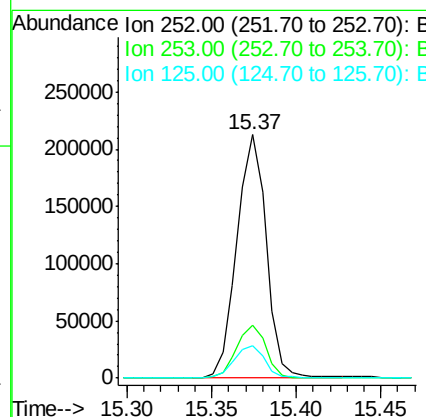
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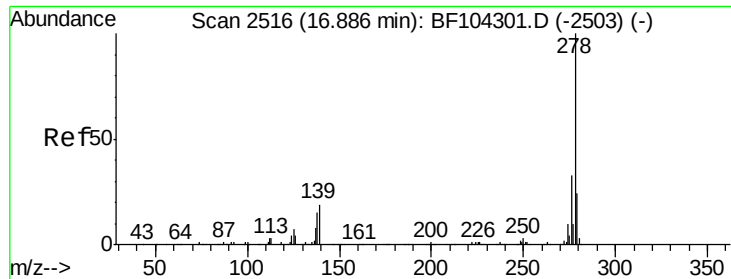
Sohil
4/18/2018 3:01:14 PM



#89
Benzo(a)pyrene
Concen: 21.904 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	13.2	9.8	14.6





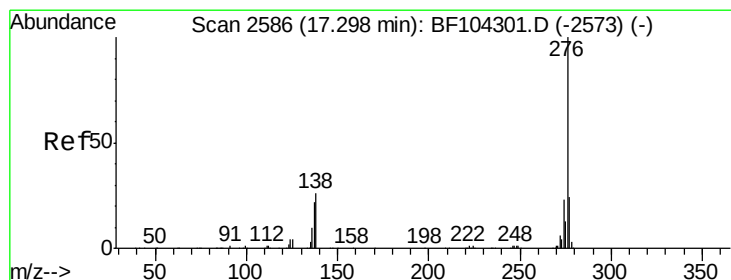
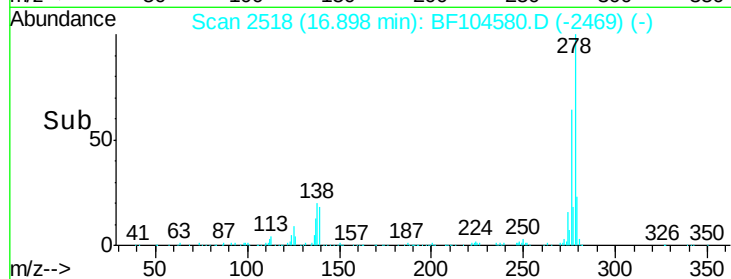
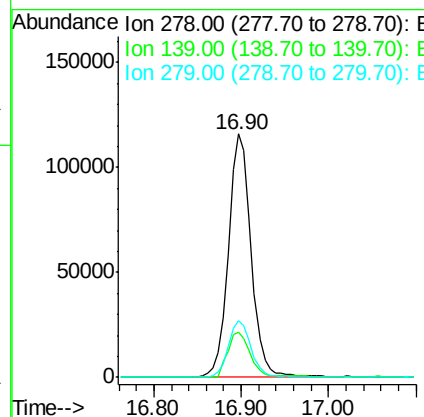
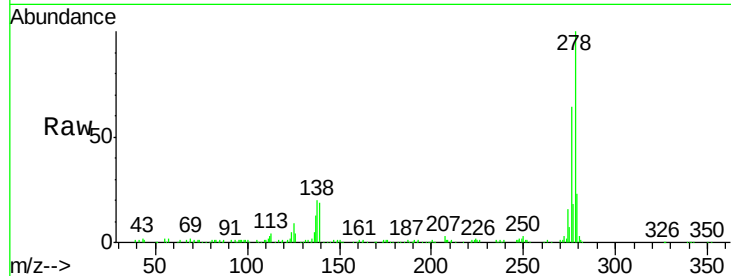
#90
Dibenzo(a,h)anthracene
Concen: 21.403 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
NAA-WS-005MS

Tot Ion	Ion	Ratio	Lower	Upper
278	100			
139	18.5	15.9	23.9	
279	23.3	19.0	28.4	

Manual Integrations
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4/18/2018 3:01:14 PM



#91
Benzo(g,h,i)perylene
Concen: 21.413 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF104580.D
Acq: 17 Apr 2018 23:42

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.0	17.9	26.9	
138	25.2	21.8	32.8	

