

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104595.D
 Acq On : 18 Apr 2018 12:25
 Operator : JU/SJ
 Sample : J2408-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Manual Integrations
 APPROVED

Sohil
 4/19/2018 12:42:51 PM

Quant Time: Apr 18 15:07:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	132000	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	550313	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	253775	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	450825	20.00	ng	0.00
75) Chrysene-d12	13.98	240	282169	20.00	ng	0.00
86) Perylene-d12	15.44	264	242750	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	951081	110.17	ng	0.01
7) Phenol-d6	6.45	99	1194411	112.61	ng	0.00
23) Nitrobenzene-d5	7.37	82	752183	89.25	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	300631	114.20	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1285044	79.99	ng	0.00
78) Terphenyl-d14	12.92	244	1176437	95.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	132445	32.926	ng	90
3) Pyridine	3.31	79	366030	32.365	ng	87
4) n-Nitrosodimethylamine	3.26	42	149094	37.713	ng	# 73
6) Aniline	6.47	93	254197	17.250	ng	96
8) 2-Chlorophenol	6.59	128	357313	39.215	ng	95
9) Benzaldehyde	6.36	77	221153	41.854	ng	94
10) Phenol	6.46	94	448718	39.871	ng	92
11) bis(2-Chloroethyl)ether	6.55	93	344991	38.413	ng	94
12) 1,3-Dichlorobenzene	6.75	146	376011	36.426	ng	99
13) 1,4-Dichlorobenzene	6.82	146	380936	37.021	ng	99
14) 1,2-Dichlorobenzene	6.97	146	353116	37.032	ng	99
15) Benzyl Alcohol	6.95	79	296260	36.774	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.08	45	437976	36.313	ng	90
17) 2-Methylphenol	7.06	107	297817	37.602	ng	97
18) Hexachloroethane	7.32	117	137719	37.539	ng	98
19) n-Nitroso-di-n-propylamine	7.22	70	232218	33.503	ng	92
20) 3+4-Methylphenols	7.22	107	347822	35.409	ng	# 63
22) Acetophenone	7.22	105	466170	34.408	ng	96
24) Nitrobenzene	7.39	77	371818	39.960	ng	95
25) Isophorone	7.63	82	675356	37.895	ng	99
26) 2-Nitrophenol	7.70	139	198735	52.465	ng	97
27) 2,4-Dimethylphenol	7.75	122	305578	38.852	ng	99
28) bis(2-Chloroethoxy)methane	7.84	93	439768	40.359	ng	99
29) 2,4-Dichlorophenol	7.95	162	296811	39.551	ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	301639	36.625	ng	98
31) Naphthalene	8.11	128	1015034	37.041	ng	99
32) Benzoic acid	7.83	122	55248	8.804	ng	97
33) 4-Chloroaniline	8.16	127	87327	7.439	ng	97
34) Hexachlorobutadiene	8.22	225	164591	36.485	ng	99
35) Caprolactam	8.53	113	92591m	35.367	ng	
36) 4-Chloro-3-methylphenol	8.65	107	314894	39.132	ng	99
37) 2-Methylnaphthalene	8.80	142	672578	37.944	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	281559	38.758	ng	99
40) Hexachlorocyclopentadiene	8.95	237	256499	63.069	ng	97

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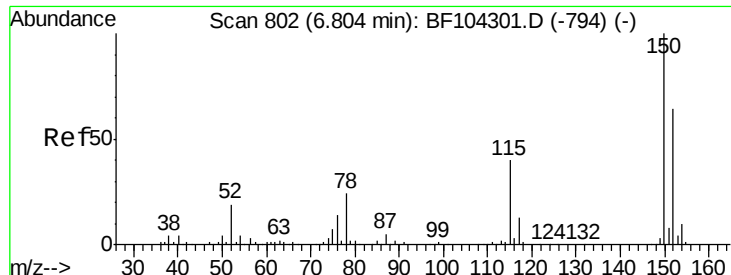
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	199065	39.474	nq	100
43) 2,4,5-Trichlorophenol	9.12	196	212404	37.639	nq	99
45) 1,1'-Biphenyl	9.27	154	787087	36.920	nq	98
46) 2-Chloronaphthalene	9.29	162	624089	37.062	nq	99
47) 2-Nitroaniline	9.39	65	189672	45.547	nq	95
48) Acenaphthylene	9.71	152	940952	35.615	nq	100
49) Dimethylphthalate	9.57	163	837381	41.844	nq	99
50) 2,6-Dinitrotoluene	9.63	165	164458	44.412	nq	95
51) Acenaphthene	9.88	154	545181	33.820	nq	99
52) 3-Nitroaniline	9.80	138	78907	18.202	nq	97
53) 2,4-Dinitrophenol	9.91	184	102354	70.785	nq #	23
54) Dibenzofuran	10.05	168	830181	36.955	nq	98
55) 4-Nitrophenol	9.97	139	253791	74.526	nq	91
56) 2,4-Dinitrotoluene	10.04	165	211027	43.445	nq	91
57) Fluorene	10.40	166	632042	38.654	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.17	232	163939	38.940	nq	96
59) Diethylphthalate	10.27	149	700546	35.149	nq	98
60) 4-Chlorophenyl-phenylether	10.39	204	289606	39.770	nq	95
61) 4-Nitroaniline	10.42	138	168764	39.814	nq	96
62) Azobenzene	10.54	77	673262	35.358	nq	96
64) 4,6-Dinitro-2-methylphenol	10.45	198	96955	44.747	nq	85
65) n-Nitrosodiphenylamine	10.50	169	578396	37.003	nq	99
66) 4-Bromophenyl-phenylether	10.87	248	181921	37.937	nq	96
67) Hexachlorobenzene	10.94	284	200102	37.085	nq	96
68) Atrazine	11.03	200	186150	39.453	nq	98
69) Pentachlorophenol	11.14	266	187208	56.082	nq	97
70) Phenanthrene	11.36	178	909083	36.210	nq	99
71) Anthracene	11.41	178	933539	36.580	nq	100
72) Carbazole	11.57	167	843699	33.832	nq	99
73) Di-n-butylphthalate	11.89	149	1066002	34.993	nq	99
74) Fluoranthene	12.55	202	899635	34.297	nq	96
76) Benzidine	12.67	184	276601	25.831	nq	100
77) Pyrene	12.78	202	880313	42.089	nq	99
79) Butylbenzylphthalate	13.39	149	397956	40.387	nq	96
80) Benzo(a)anthracene	13.97	228	657728	39.018	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	131269	20.885	nq	98
82) Chrysene	14.00	228	622776	35.968	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	530754	41.877	nq	99
84) Di-n-octyl phthalate	14.57	149	793725	37.480	nq #	95
85) Indeno(1,2,3-cd)pyrene	16.90	276	703292	47.815	nq	97
87) Benzo(b)fluoranthene	15.02	252	544223	35.497	nq	98
88) Benzo(k)fluoranthene	15.04	252	557705	38.530	nq	99
89) Benzo(a)pyrene	15.38	252	539401	39.321	nq	99
90) Dibenzo(a,h)anthracene	16.91	278	584987	51.922	nq	99
91) Benzo(g,h,i)perylene	17.34	276	607984	55.699	nq	95

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



#1

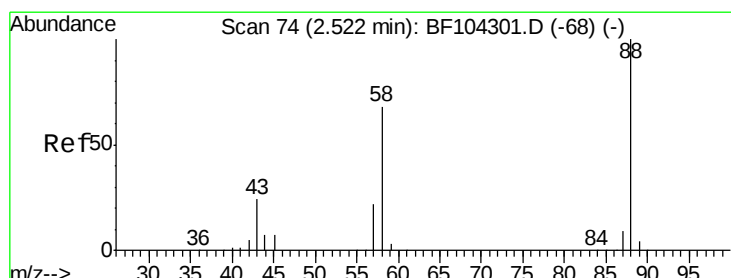
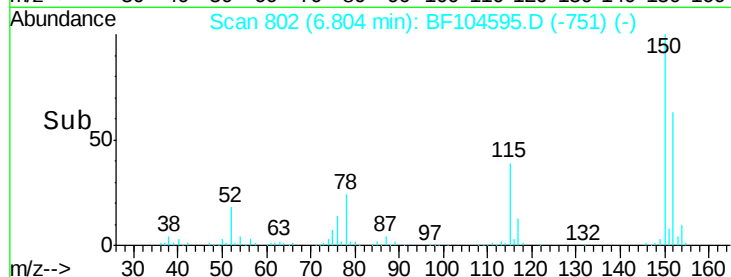
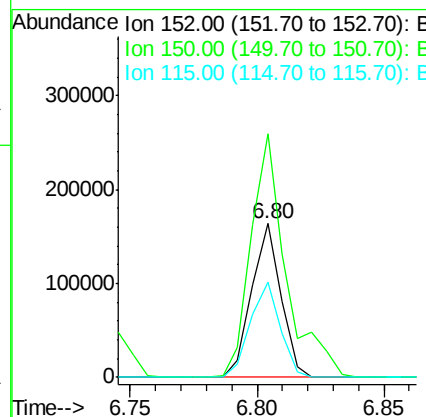
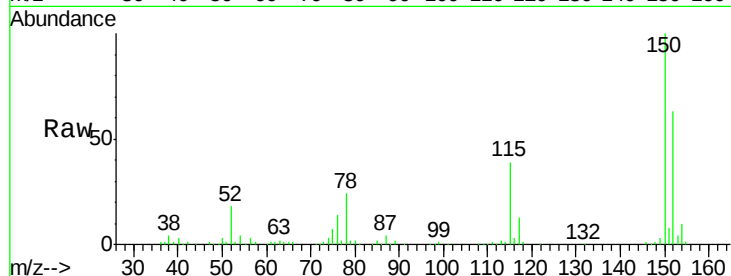
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	61.7	50.1	75.1

Manual Integrations
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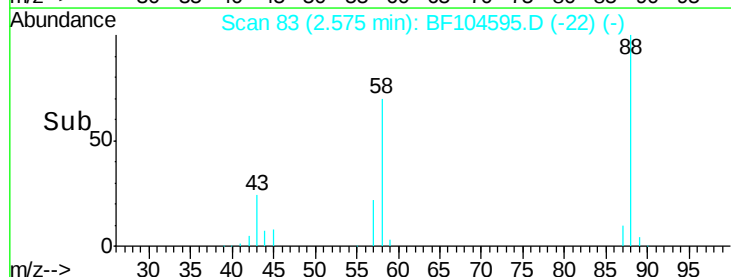
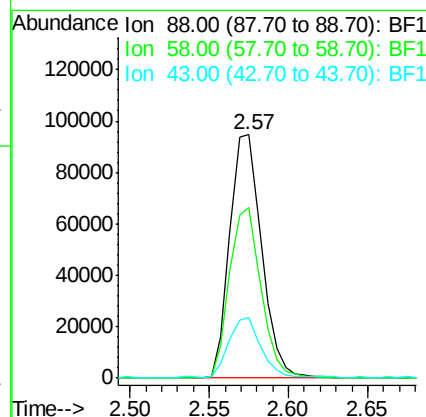
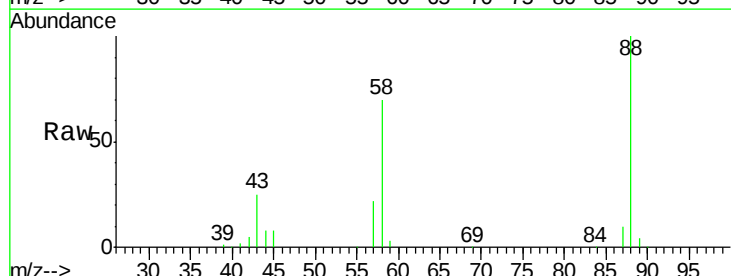
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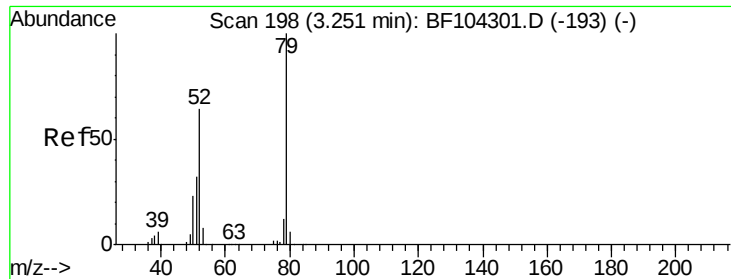


#2

1,4-Dioxane
Concen: 32.926 ng
RT: 2.57 min Scan# 83
Delta R.T. 0.06 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.2	62.6	93.8
43	25.6	24.6	37.0





#3

Pvridine

Concen: 32.365 ng

RT: 3.31 min Scan# 208

Delta R.T. 0.06 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

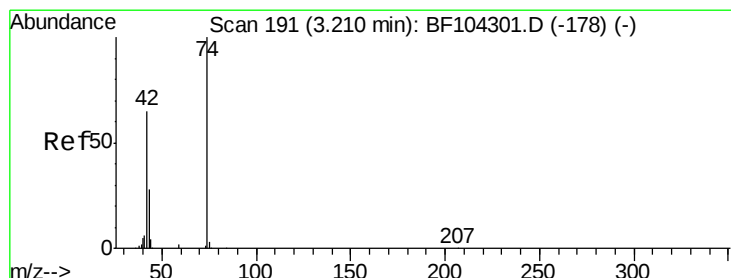
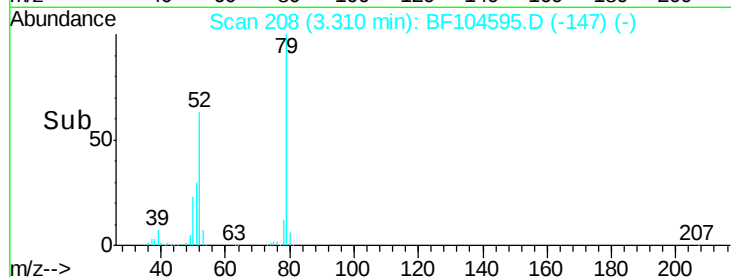
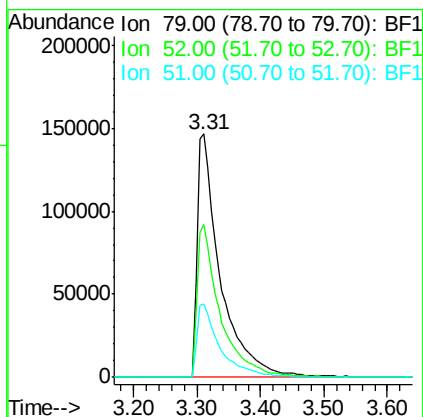
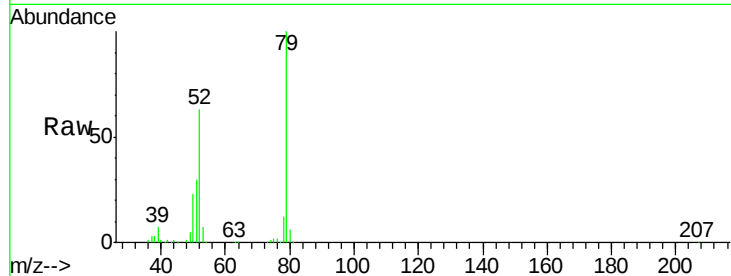
ClientSampleId :

NAA-WS-006MS

Tot Ion:	79	Resp:	366030
Ion Ratio	Lower	Upper	
79	100		
52	62.9	59.8	89.6
51	29.9	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 37.713 ng

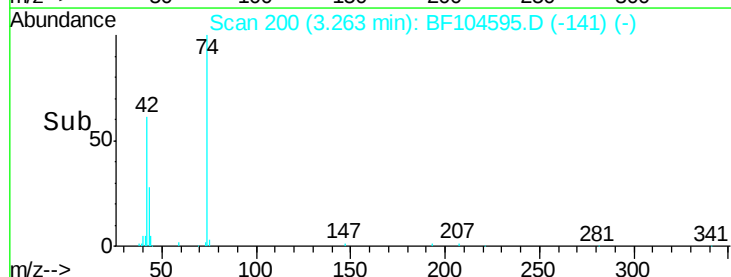
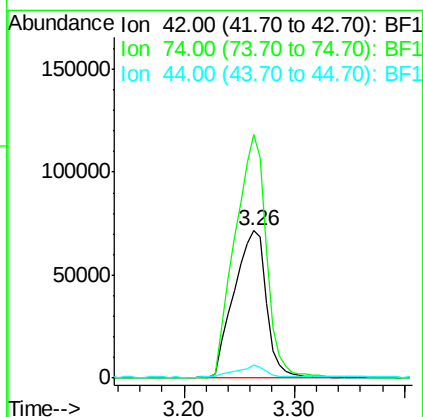
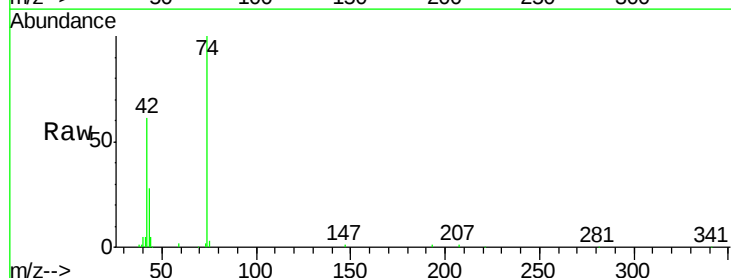
RT: 3.26 min Scan# 200

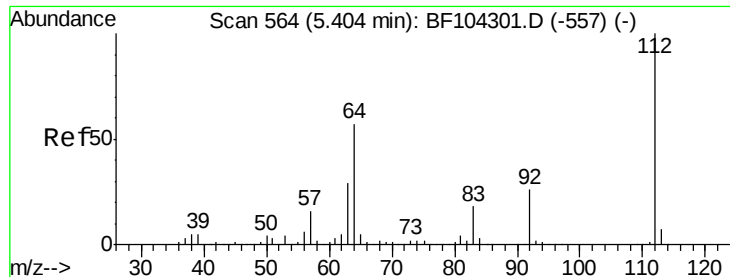
Delta R.T. 0.05 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	42	Resp:	149094
Ion Ratio	Lower	Upper	
42	100		
74	165.3	104.9	157.3#
44	8.6	6.9	10.3





#5

2-Fluorophenol

Concen: 110.171 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

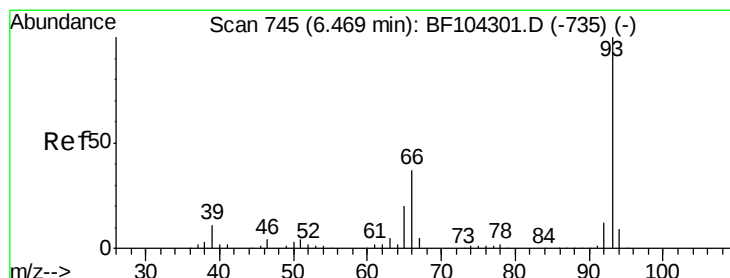
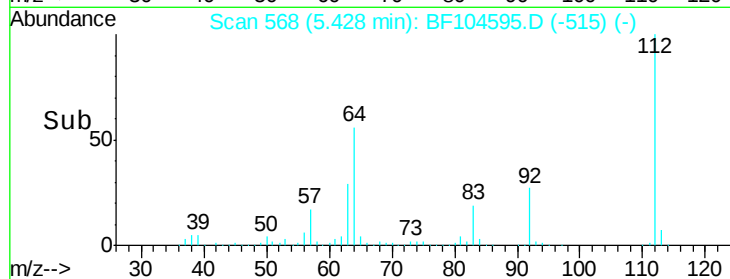
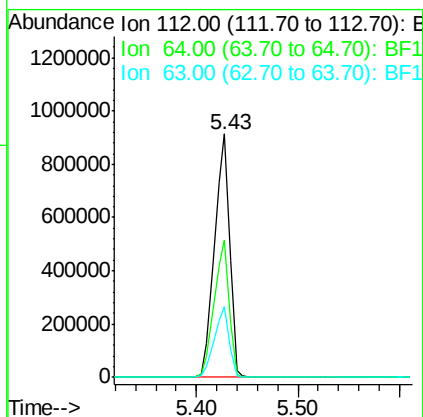
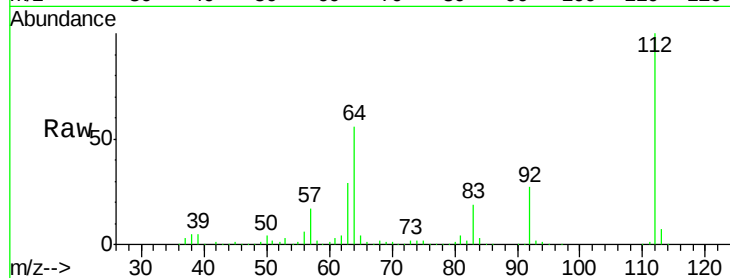
ClientSampleId :

NAA-WS-006MS

Tot Ion:	112	Resp:	951081
Ion Ratio	Lower	Upper	
112	100		
64	56.3	47.9	71.9
63	29.2	23.7	35.5

Manual Integrations
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#6

Aniline

Concen: 17.250 ng

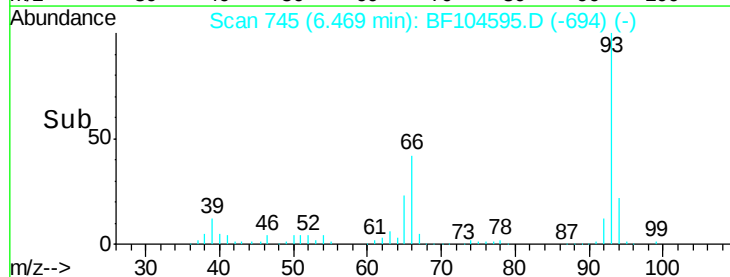
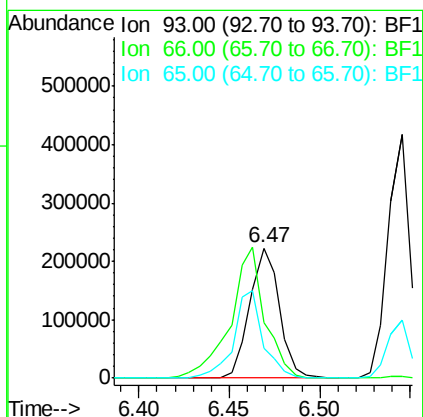
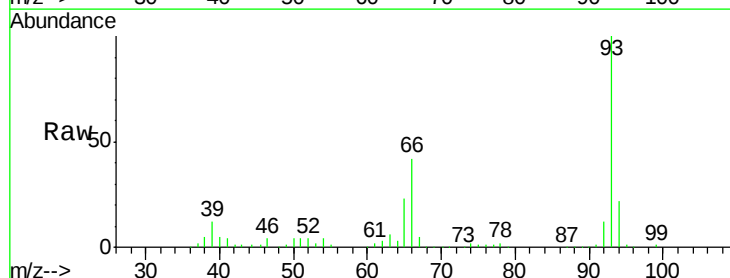
RT: 6.47 min Scan# 745

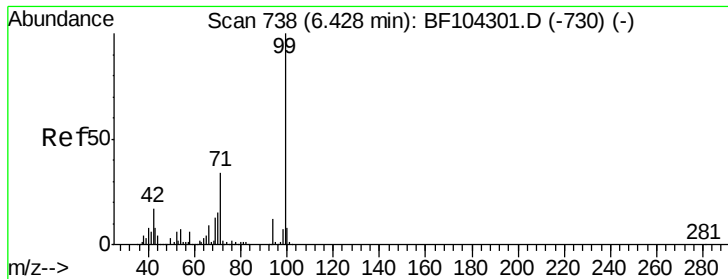
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	93	Resp:	254197
Ion Ratio	Lower	Upper	
93	100		
66	42.3	32.2	48.2
65	22.5	16.4	24.6





#7

Phenol-d6

Concen: 112.607 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

ClientSampleId :

NAA-WS-006MS

Tot Ion: 99 Resp: 1194411

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

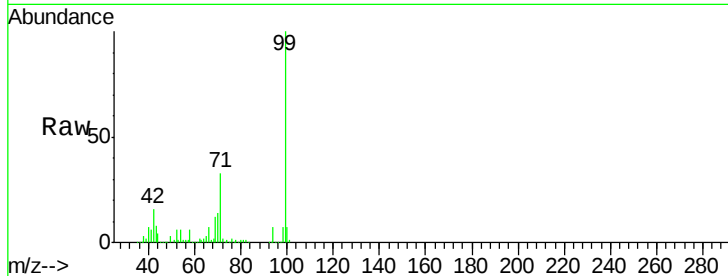
71 32.7 25.4 38.0

Manual Integrations

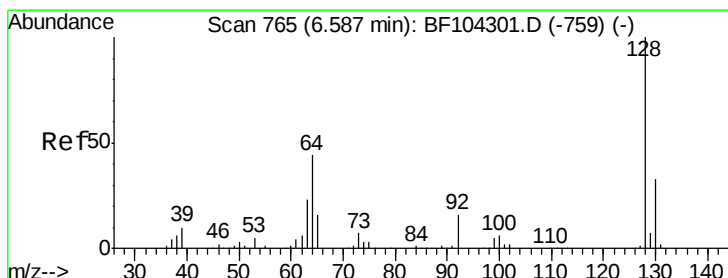
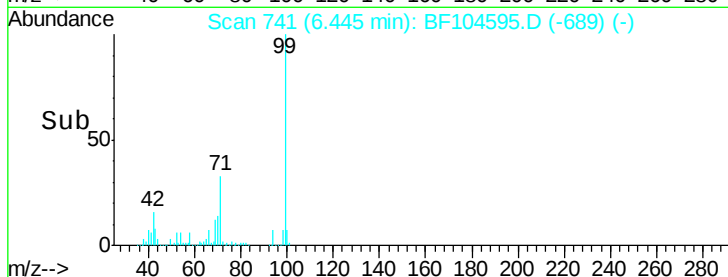
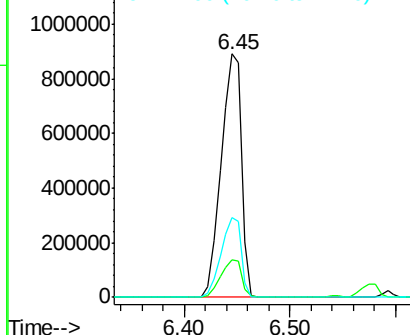
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.215 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

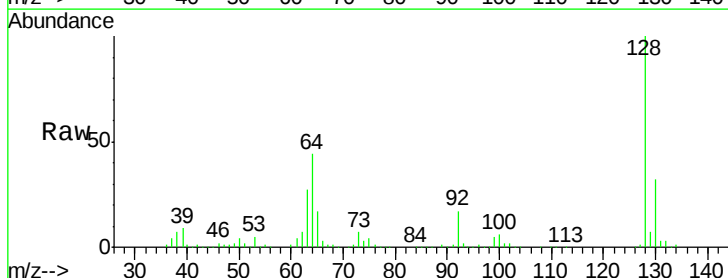
Tgt Ion: 128 Resp: 357313

Ion Ratio Lower Upper

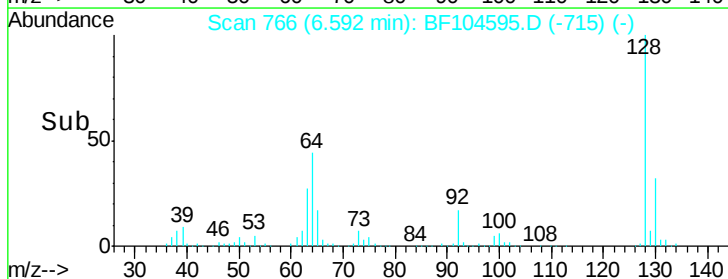
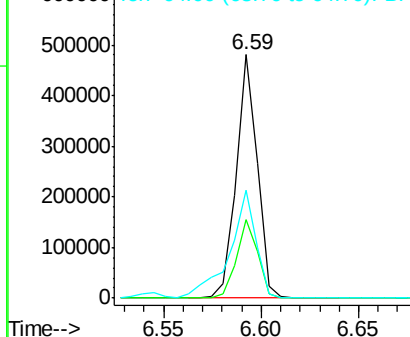
128 100

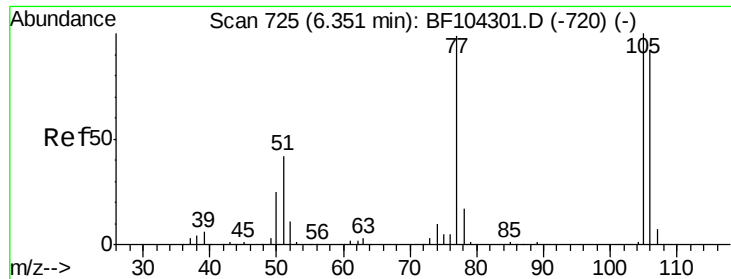
130 32.3 13.0 53.0

64 44.5 29.4 69.4



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





#9

Benzaldehyde

Concen: 41.854 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

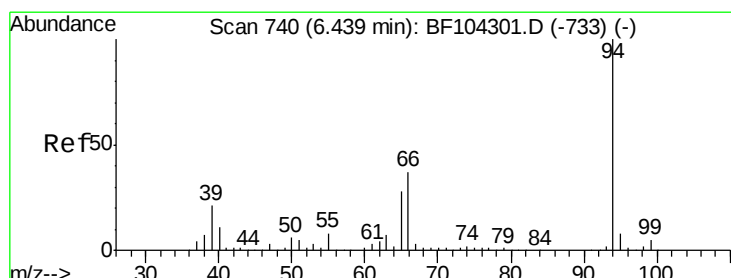
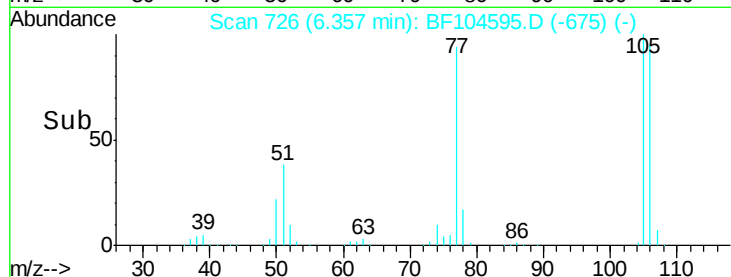
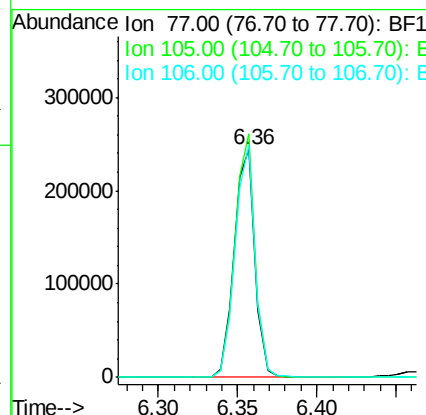
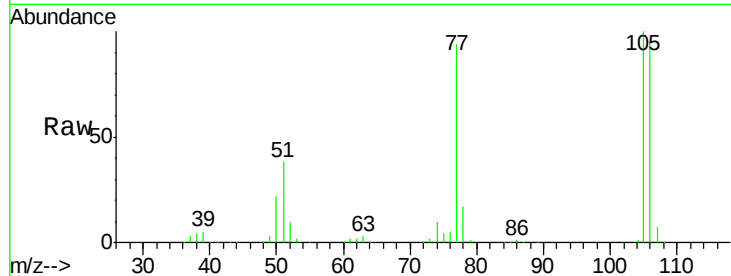
ClientSampleId :

NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	106.7	81.1	121.1
106	101.5	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 39.871 ng

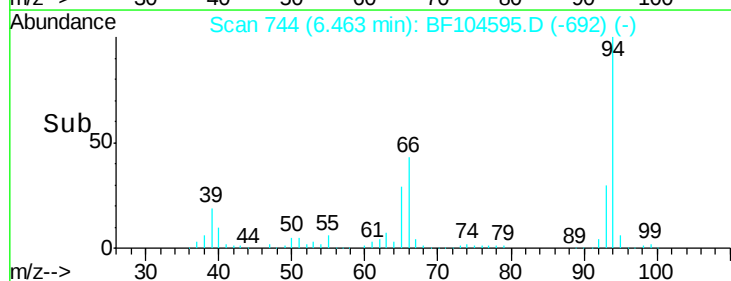
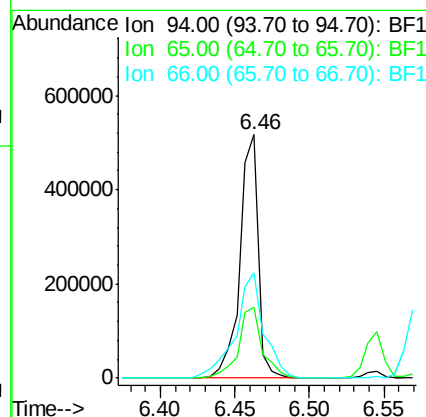
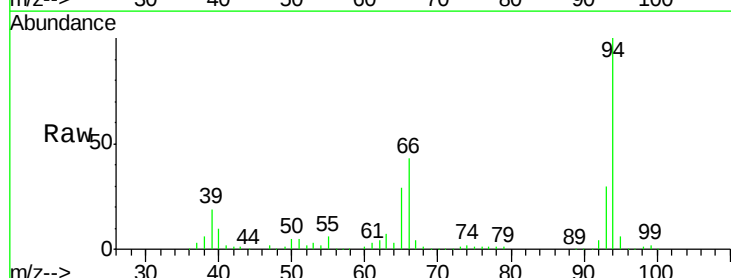
RT: 6.46 min Scan# 744

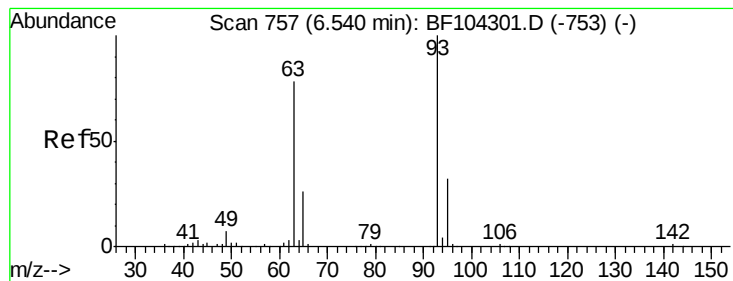
Delta R.T. 0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.9	47.9
66	43.2	16.2	56.2





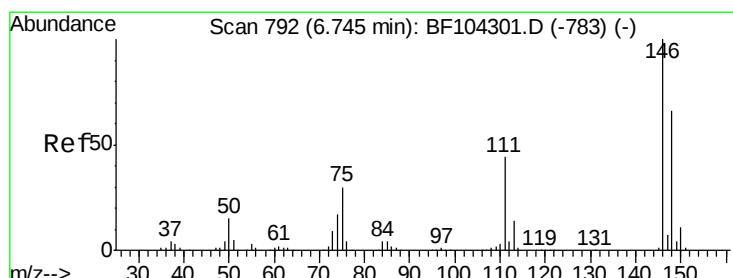
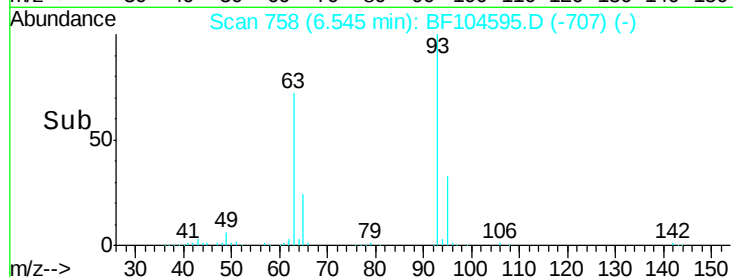
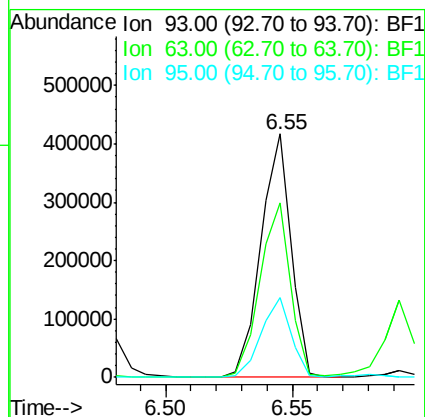
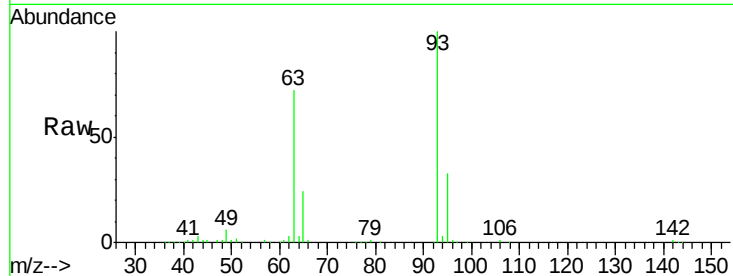
#11
bis(2-Chloroethyl)ether
Concen: 38.413 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.7	58.6	98.6
95	32.7	11.8	51.8

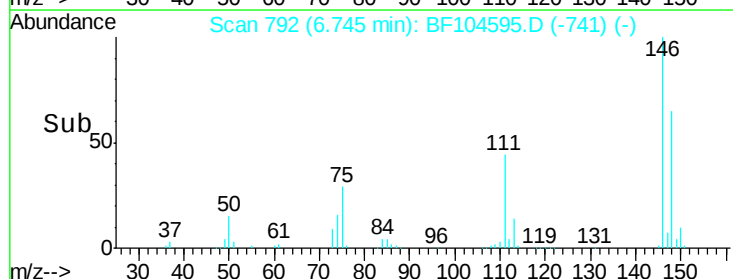
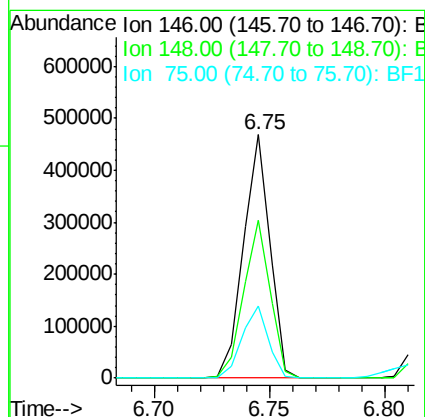
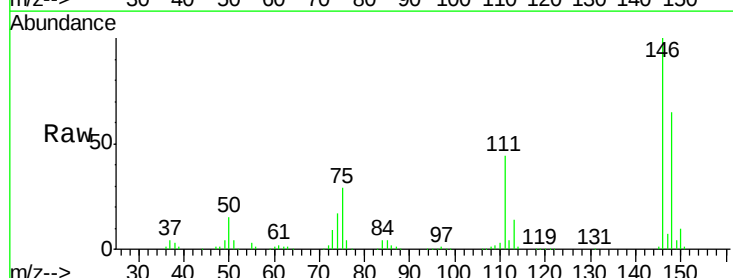
Manual Integrations
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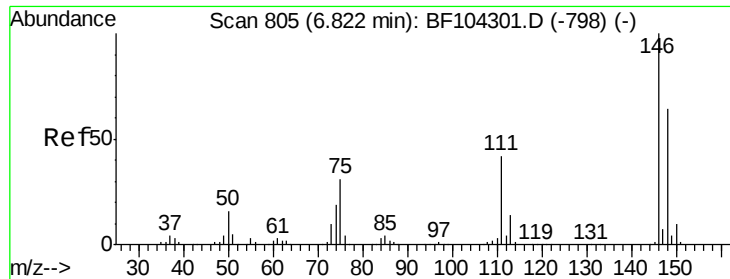
Sohil
4/19/2018 12:42:51 PM



#12
1,3-Dichlorobenzene
Concen: 36.426 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
75	29.5	24.2	36.4





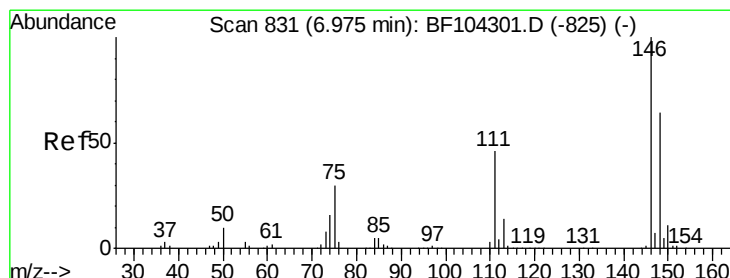
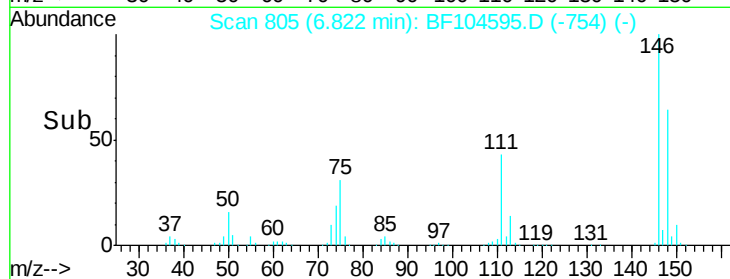
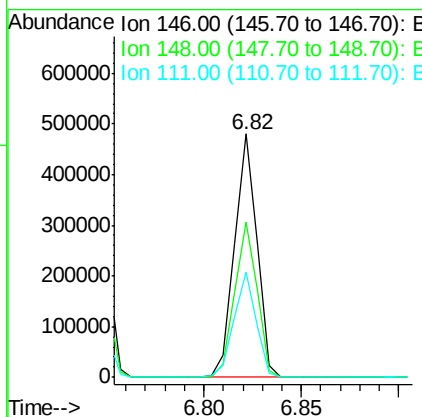
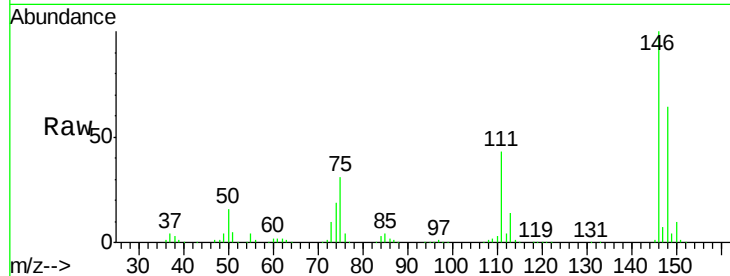
#13
 1,4-Dichlorobenzene
 Concen: 37.021 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		380936		
148	63.9	50.8		76.2	
111	43.1	34.2		51.2	

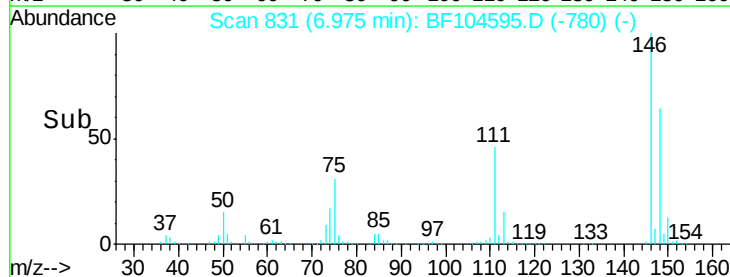
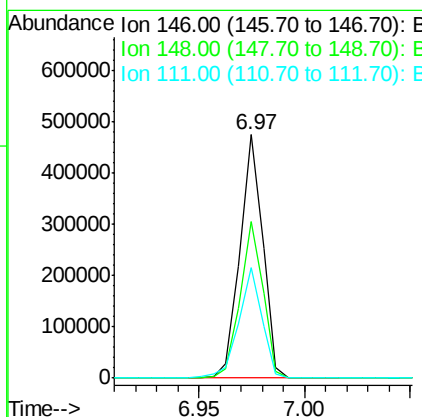
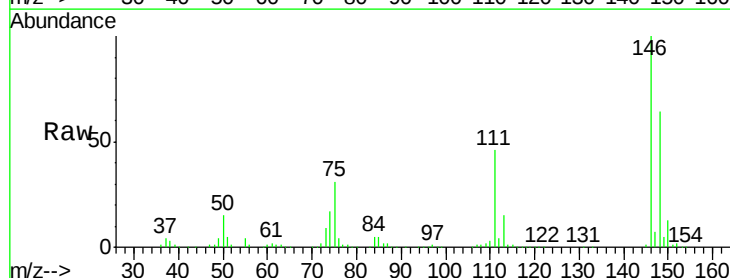
Manual Integrations
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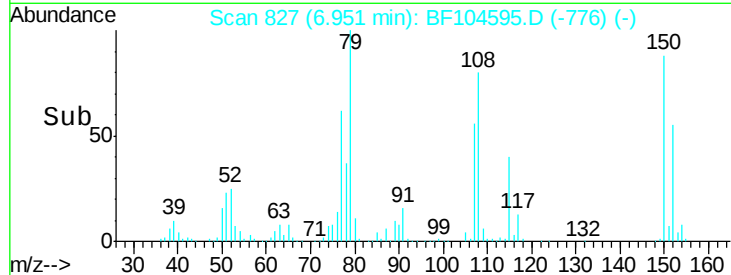
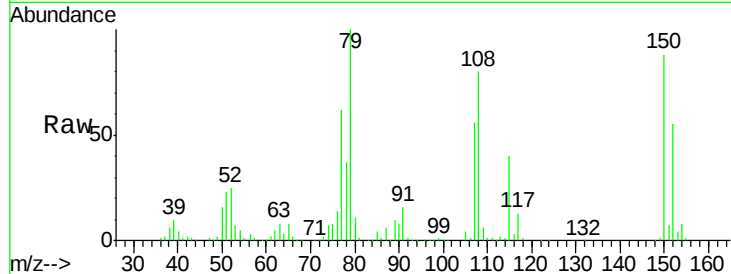
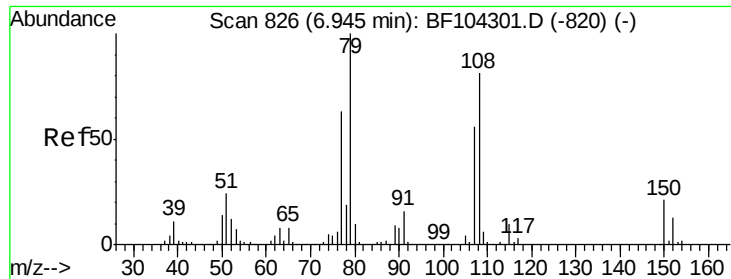
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#14
 1,2-Dichlorobenzene
 Concen: 37.032 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		353116		
148	64.5	50.6		75.8	
111	45.5	36.0		54.0	





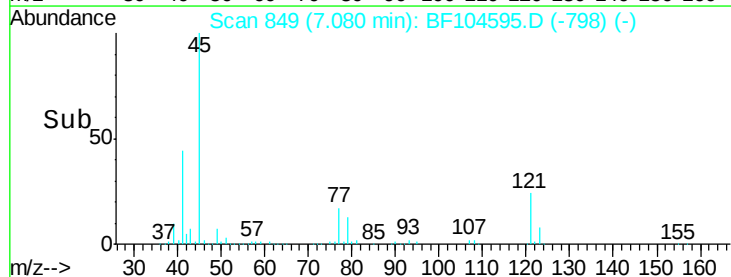
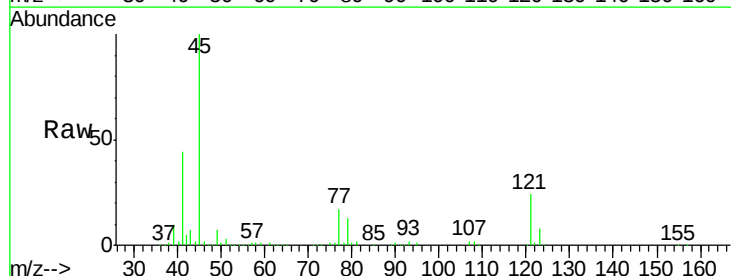
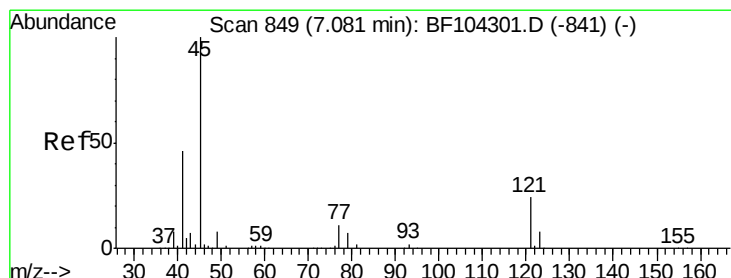
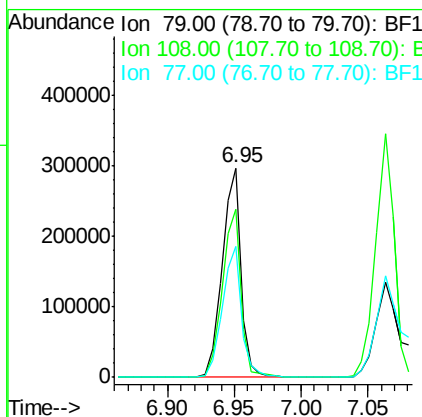
#15
Benzyl Alcohol
Concen: 36.774 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tot Ion	Ratio	Resp	Lower	Upper
79	100	296260		
108	80.1	65.1	97.7	
77	62.3	50.6	75.8	

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

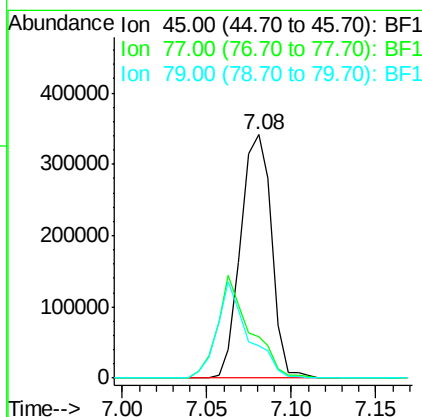
Manual Integrations
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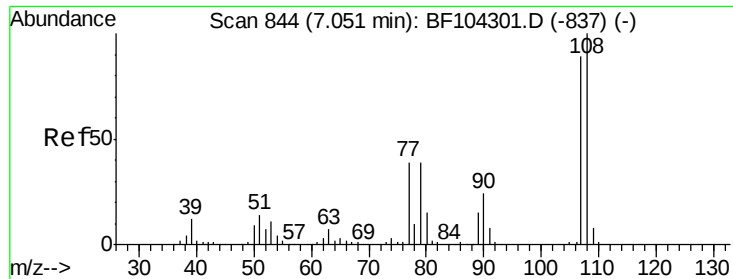
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.313 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	437976		
77	16.8	0.0	32.9	
79	13.3	0.0	29.6	





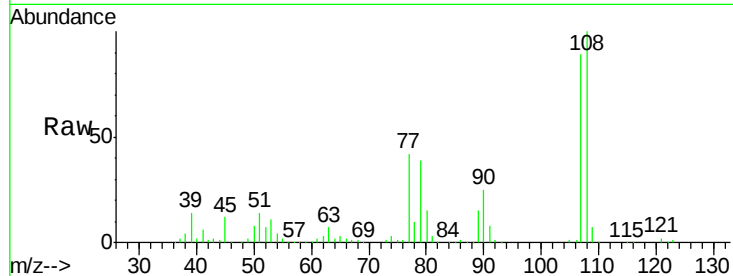
#17
2-Methylphenol
Concen: 37.602 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

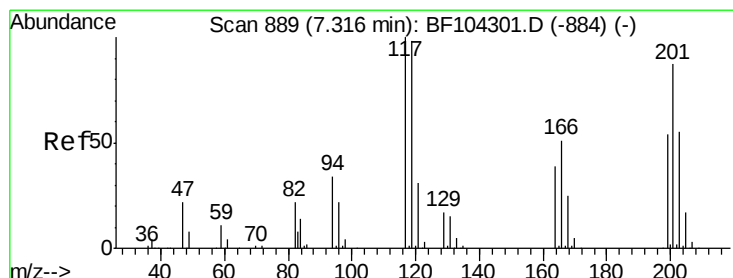
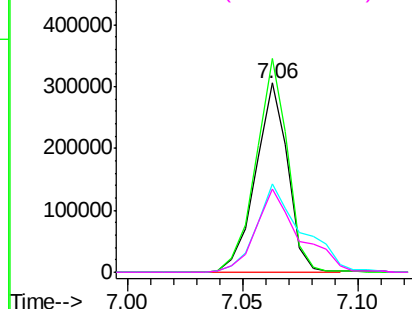
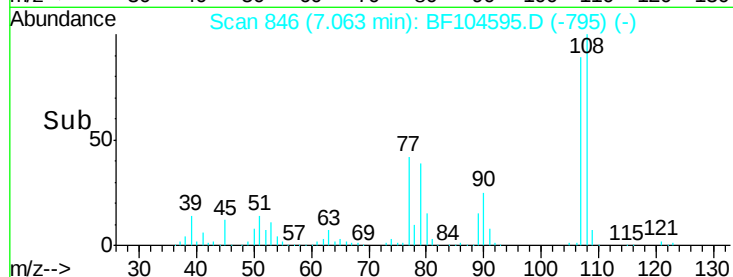
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	91.7	137.5	
77	46.9	33.8	50.8	
79	44.2	33.8	50.8	

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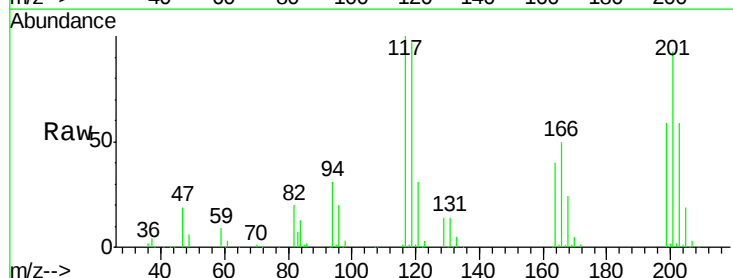


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

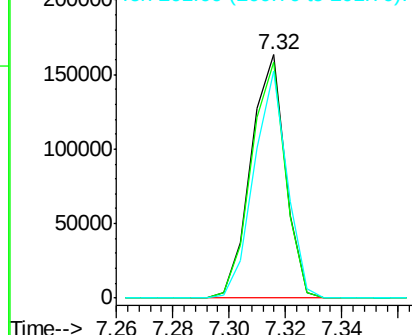
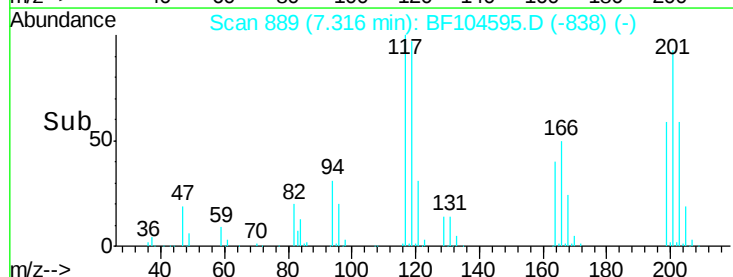


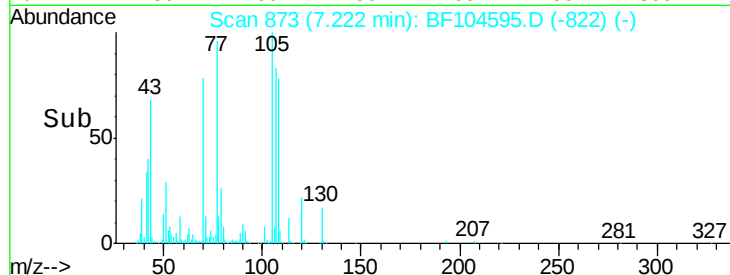
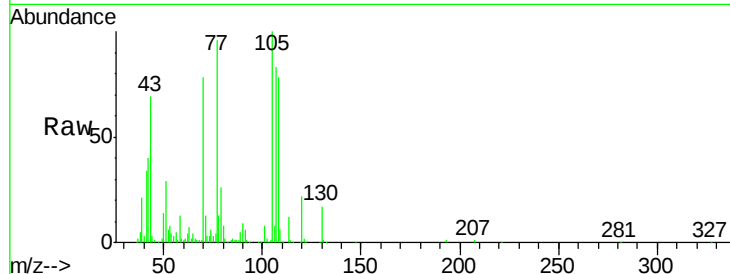
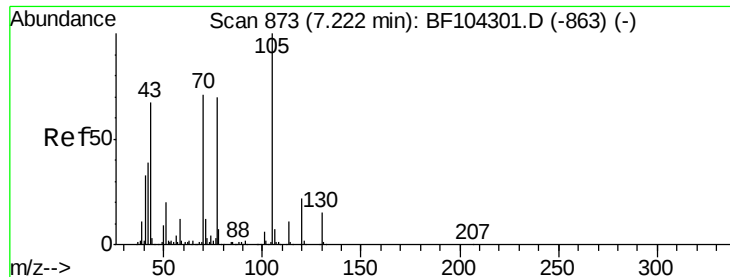
#18
Hexachloroethane
Concen: 37.539 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.9	75.8	113.8	
201	93.0	75.7	113.5	



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





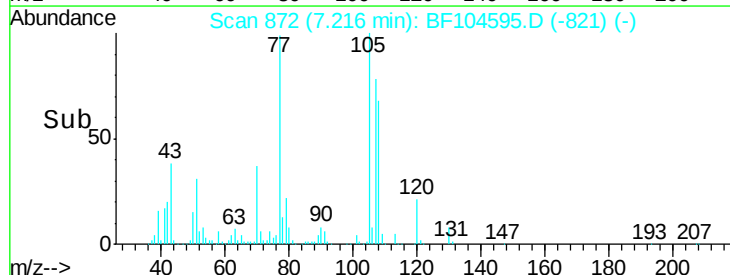
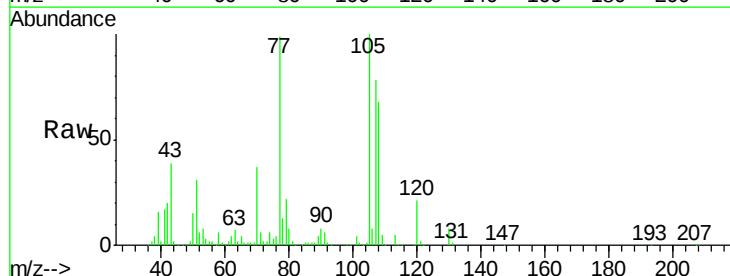
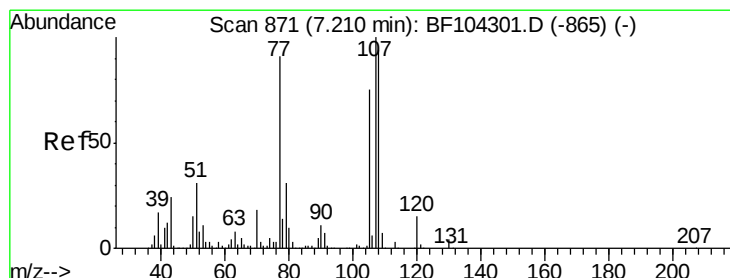
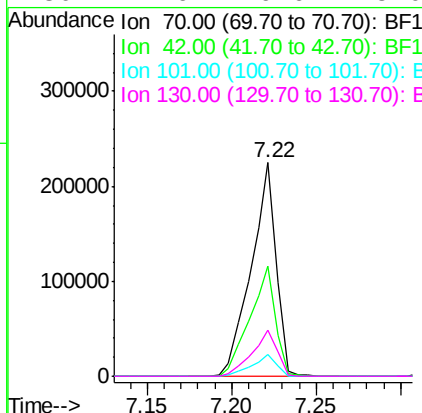
#19
n-Nitroso-di-n-propylamine
Concen: 33.503 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.5	71.3
101	10.3	7.4	11.2
130	21.6	16.6	25.0

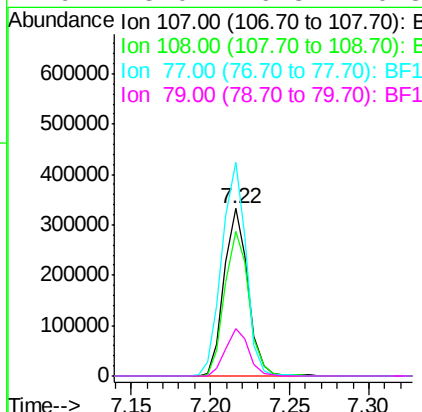
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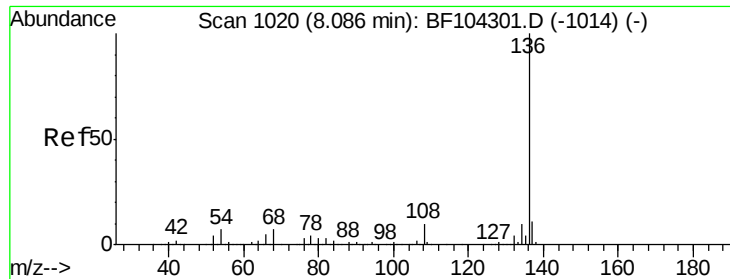
Sohil
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#20
3+4-Methylphenols
Concen: 35.409 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.6	68.2	108.2
77	127.5	26.7	66.7#
79	28.0	6.3	46.3





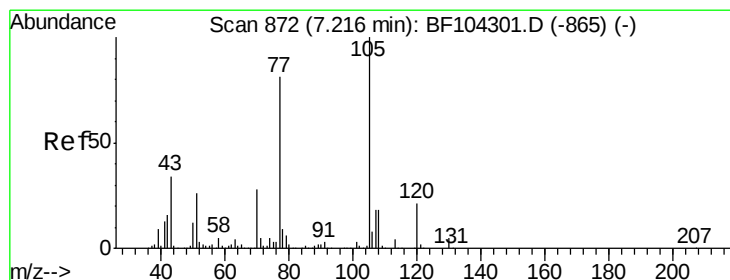
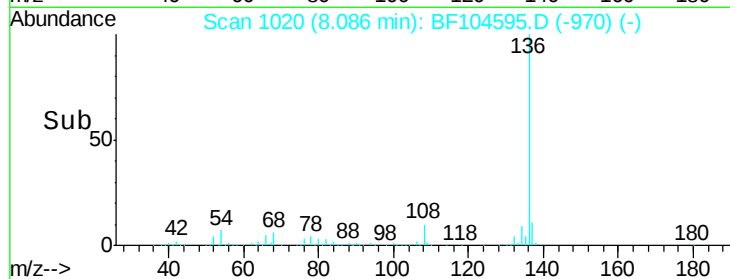
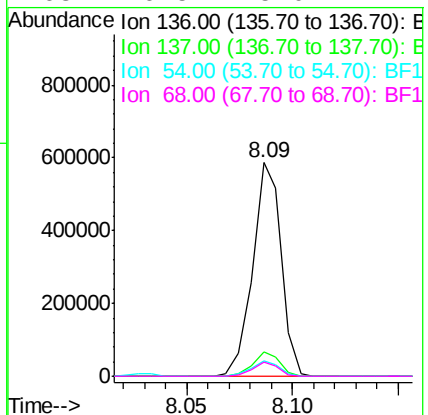
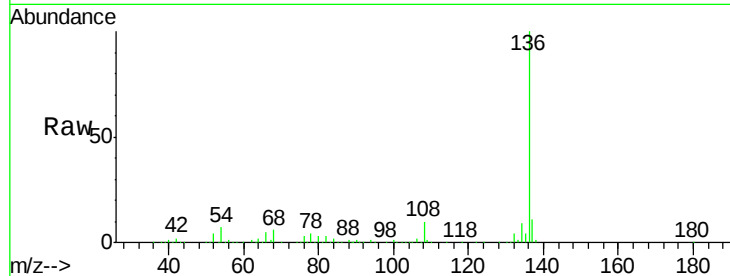
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		550313		
137	11.3		8.9	13.3	
54	7.2		6.6	9.8	
68	6.5		5.0	7.4	

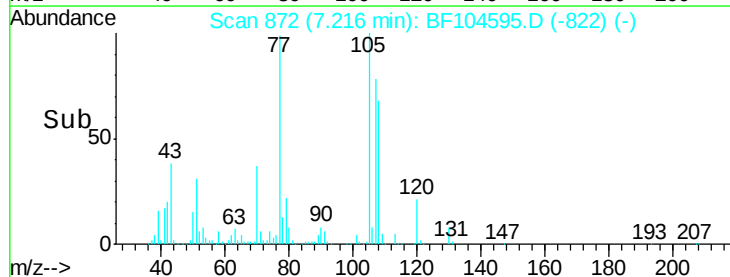
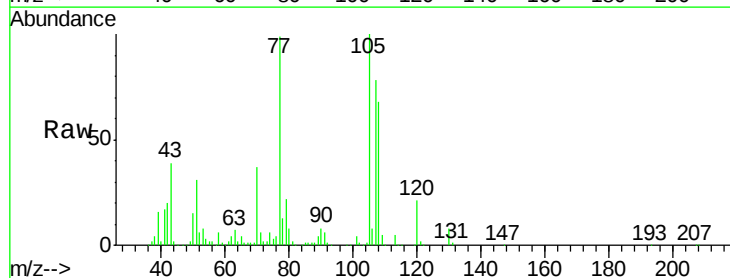
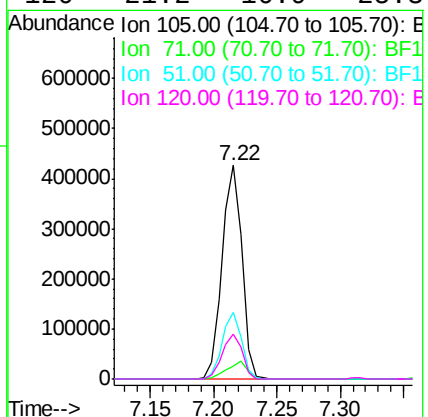
Manual Integrations
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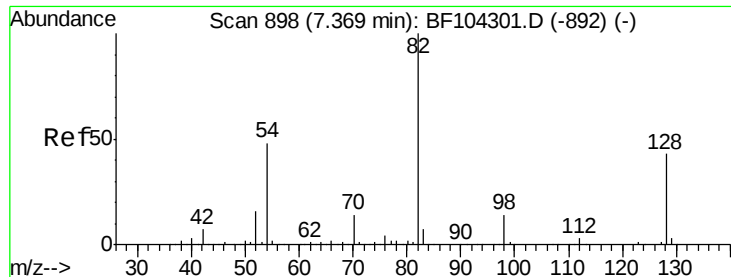
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#22
Acetophenone
Concen: 34.408 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		466170		
71	6.0		4.4	6.6	
51	31.4		22.3	33.5	
120	21.2		16.9	25.3	





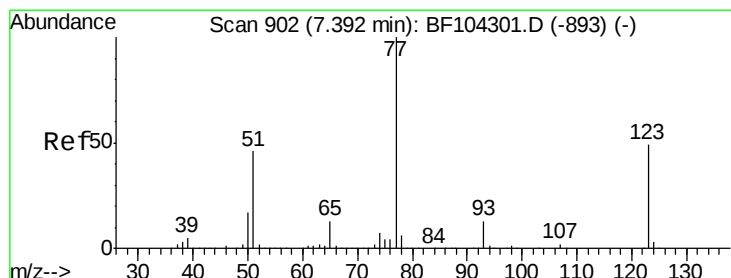
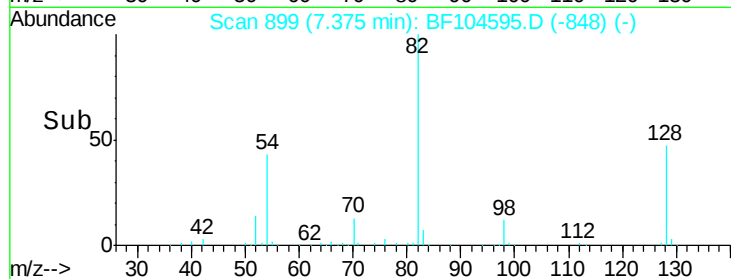
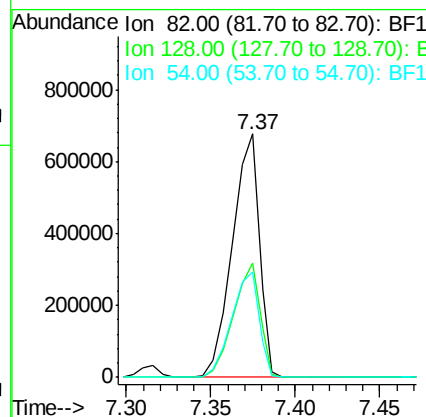
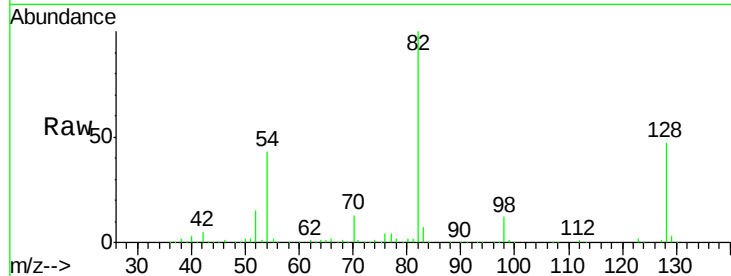
#23
Nitrobenzene-d5
Concen: 89.251 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	43.5	41.4	62.2

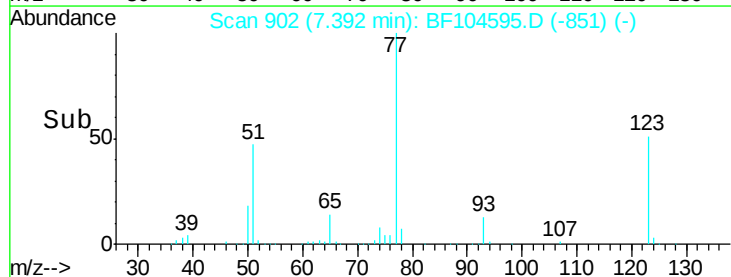
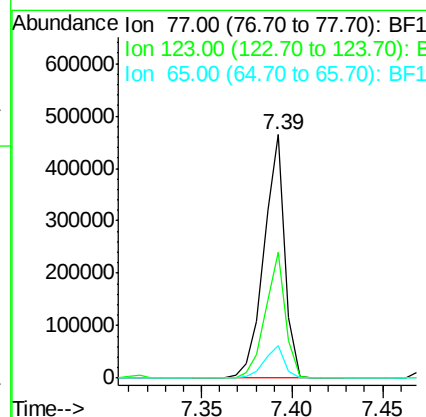
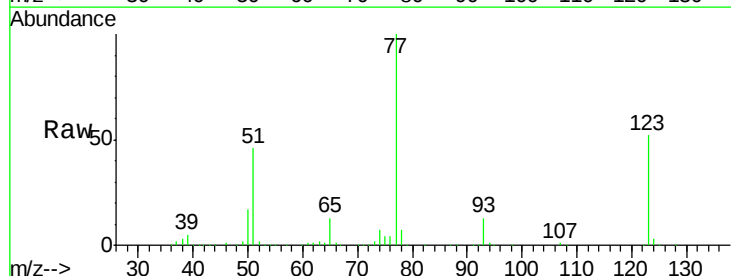
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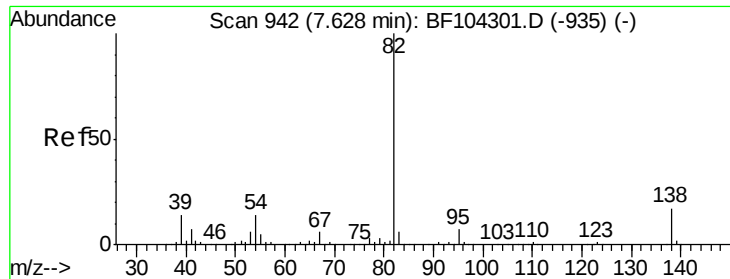
Sohil
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#24
Nitrobenzene
Concen: 39.960 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.5	37.9	56.9
65	13.4	11.0	16.4





#25

Isophorone

Concen: 37.895 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

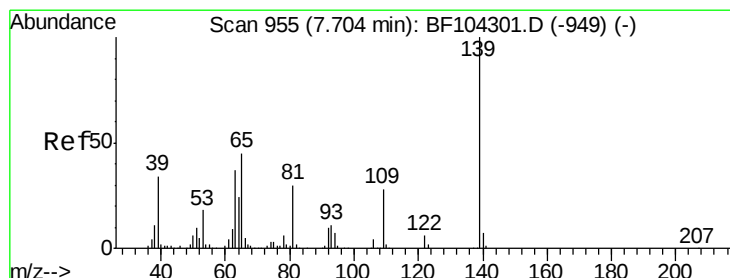
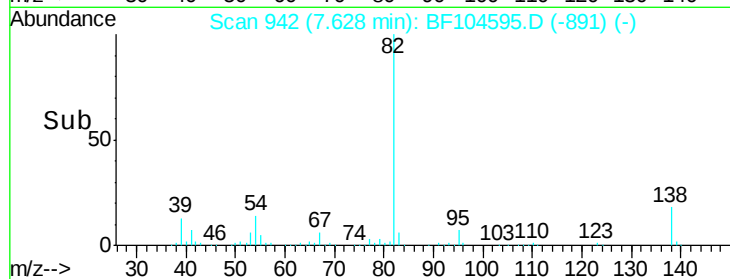
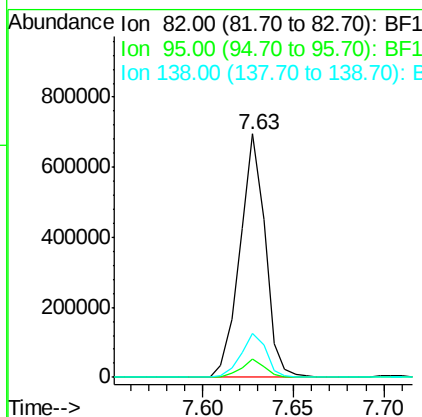
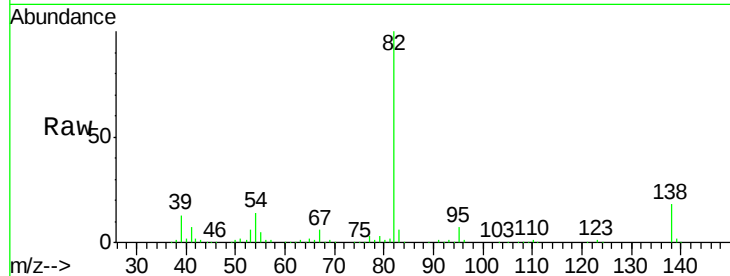
ClientSampleId :

NAA-WS-006MS

Tot Ion:	82	Resp:	675356
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.2	7.8
138	18.2	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 52.465 ng

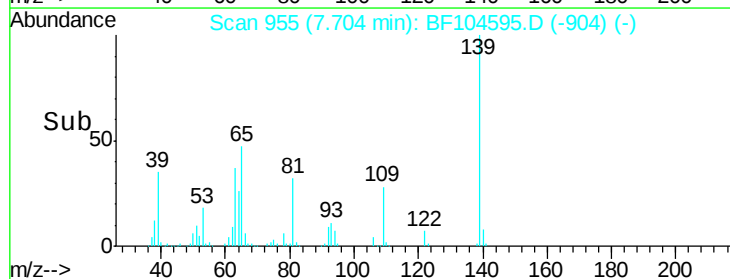
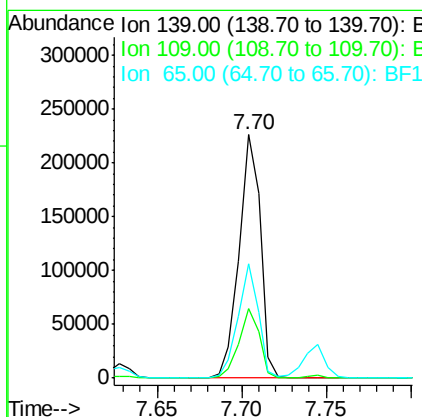
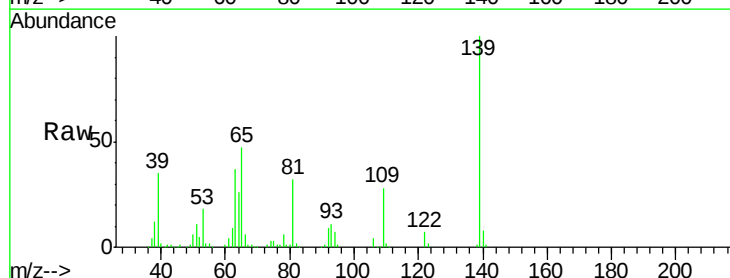
RT: 7.70 min Scan# 955

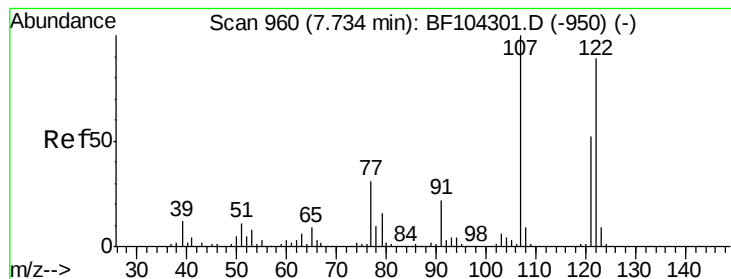
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	139	Resp:	198735
Ion Ratio	Lower	Upper	
139	100		
109	28.5	22.7	34.1
65	47.1	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 38.852 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

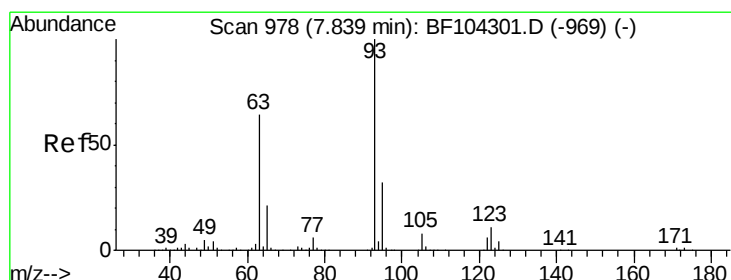
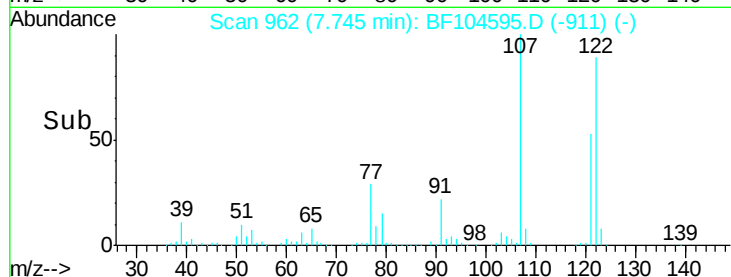
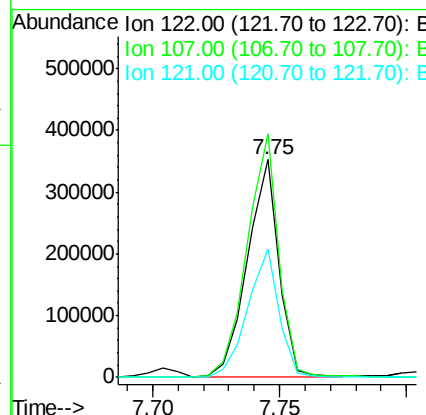
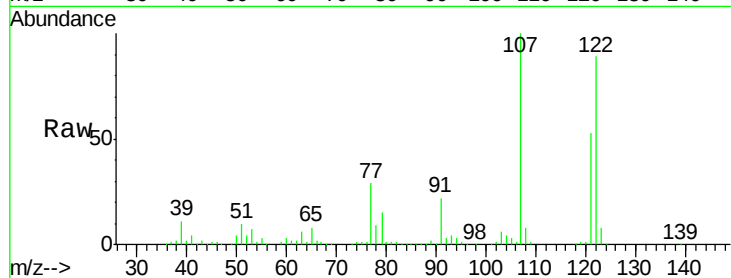
ClientSampled :

NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.8	91.2	136.8
121	58.8	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 40.359 ng

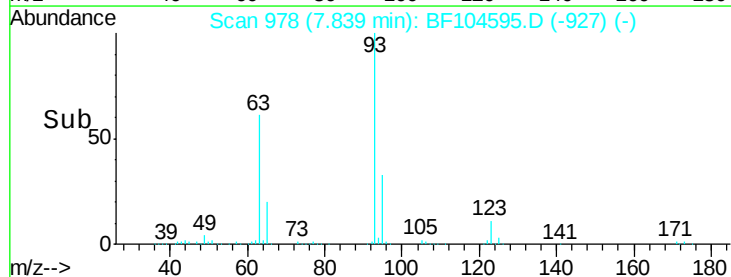
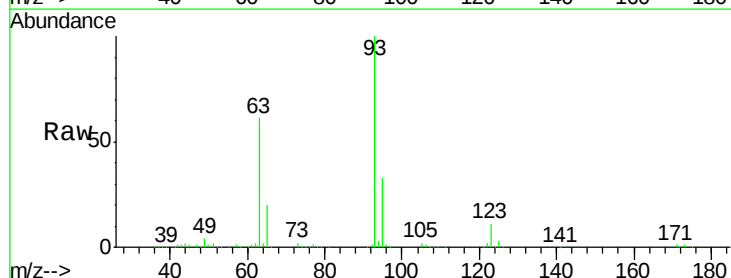
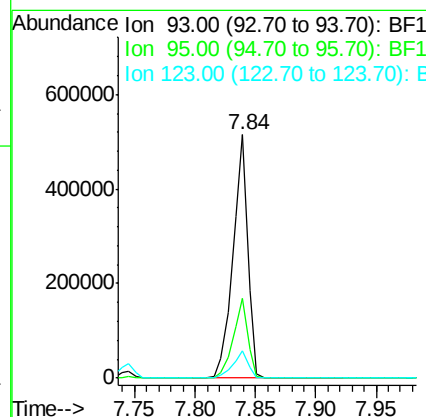
RT: 7.84 min Scan# 978

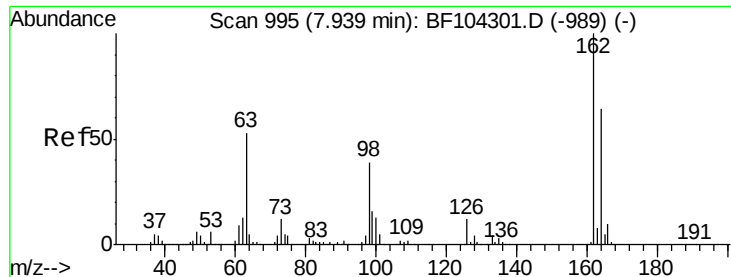
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.3	39.5
123	11.2	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 39.551 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

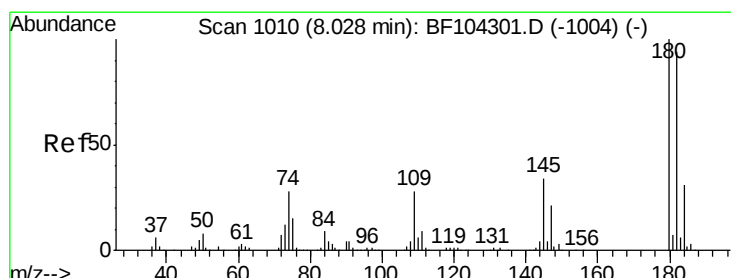
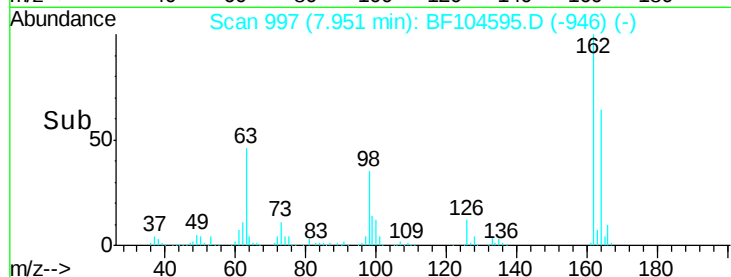
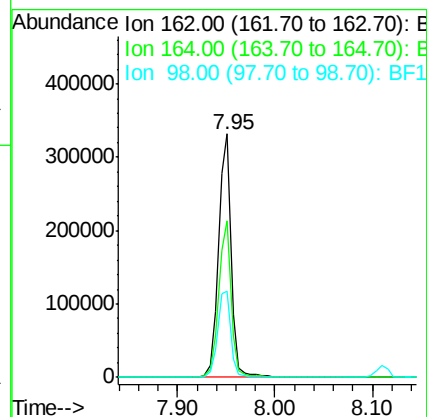
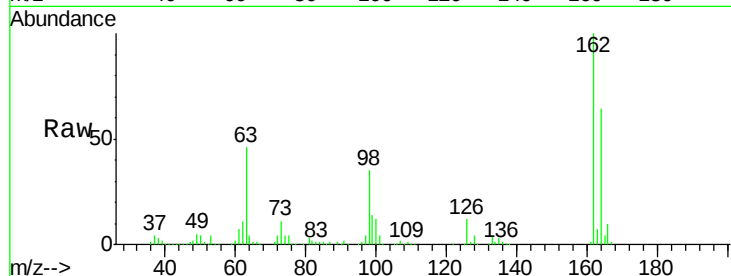
ClientSampleId :

NAA-WS-006MS

Tot Ion:	162	Resp:	296811
Ion Ratio	Lower	Upper	
162	100		
164	64.3	42.7	82.7
98	35.2	18.1	58.1

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 36.625 ng

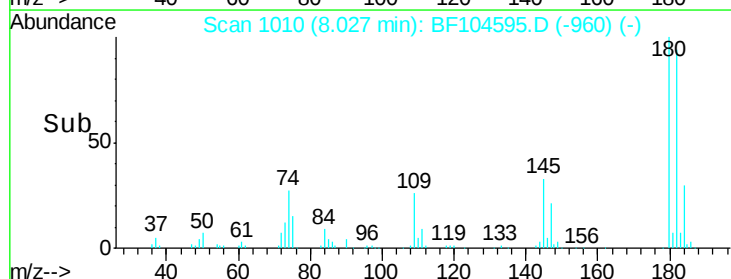
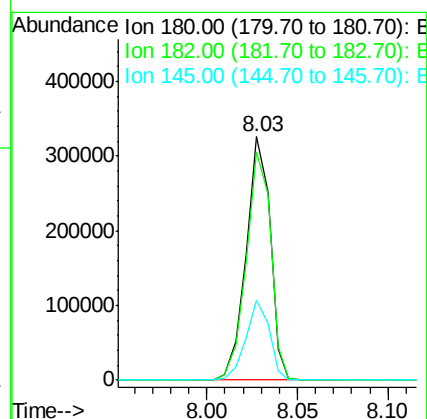
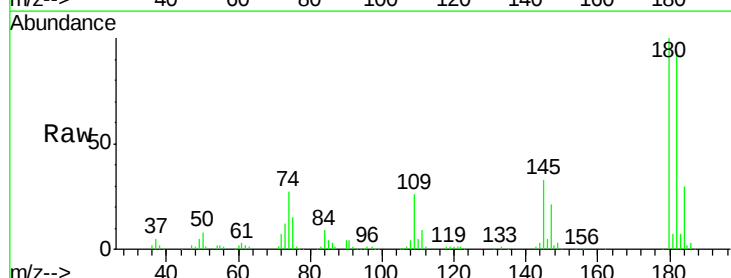
RT: 8.03 min Scan# 1010

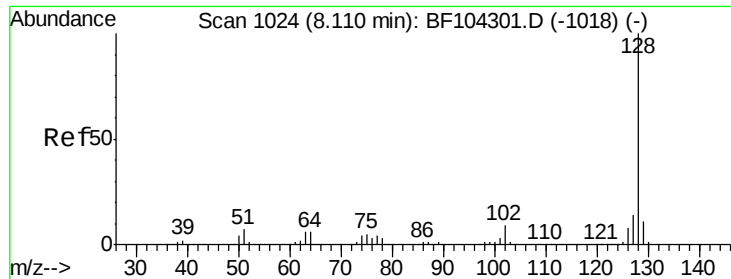
Delta R.T. -0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	180	Resp:	301639
Ion Ratio	Lower	Upper	
180	100		
182	93.9	76.8	115.2
145	32.8	26.5	39.7





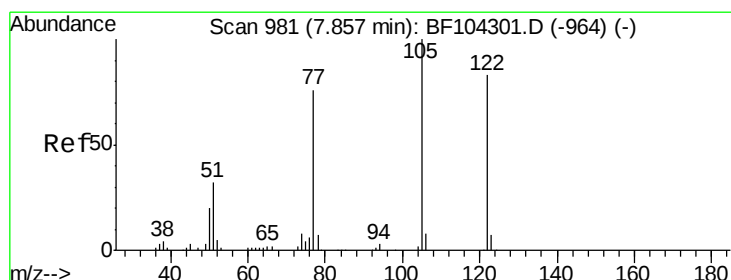
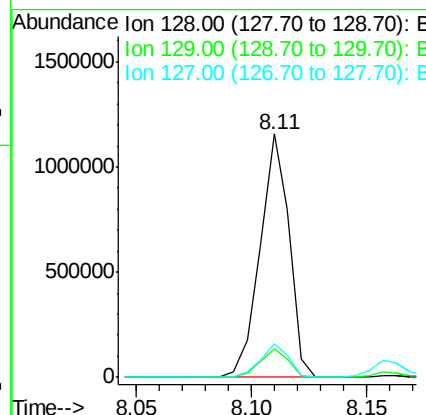
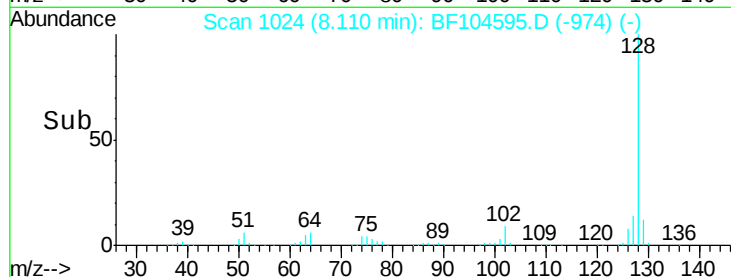
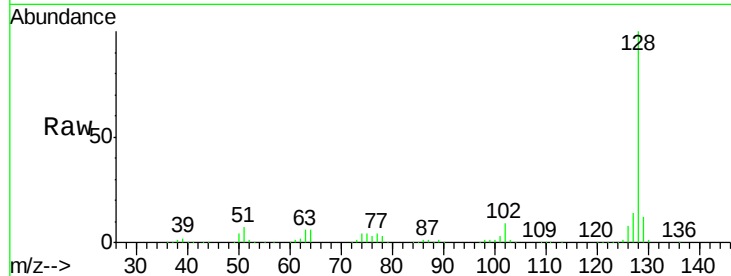
#31
Naphthalene
Concen: 37.041 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion:128 Resp: 1015034
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.6 10.9 16.3

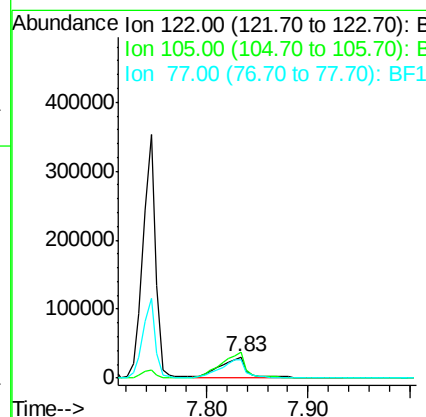
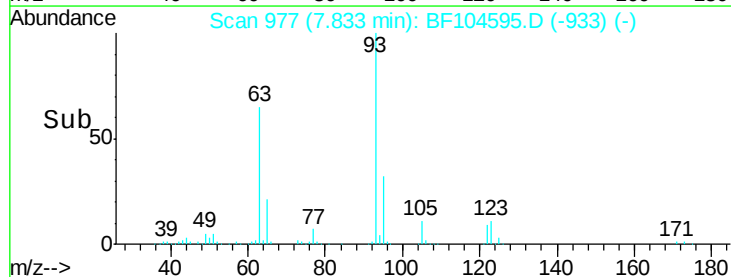
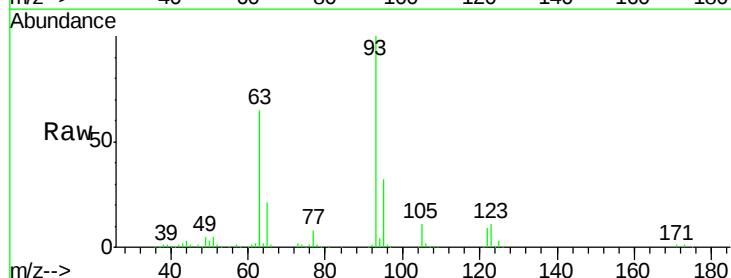
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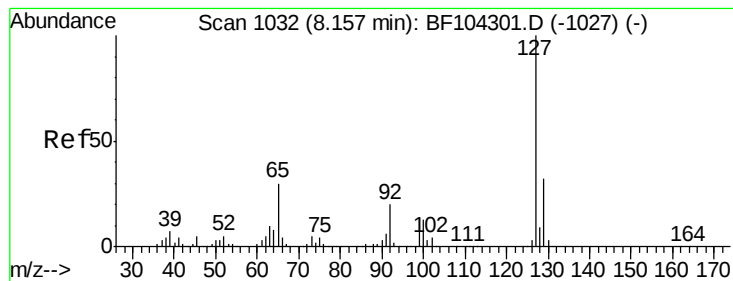
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#32
Benzoic acid
Concen: 8.804 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.04 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion:122 Resp: 55248
Ion Ratio Lower Upper
122 100
105 121.2 101.1 141.1
77 83.3 70.7 110.7





#33

4-Chloroaniline

Concen: 7.439 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

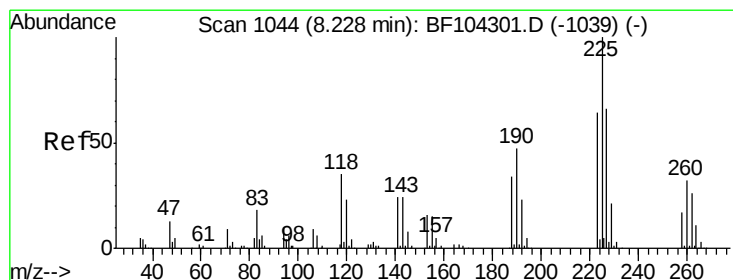
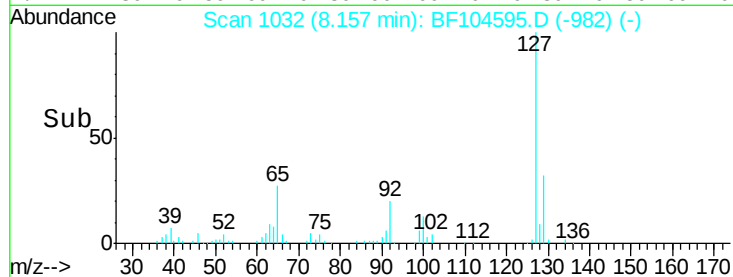
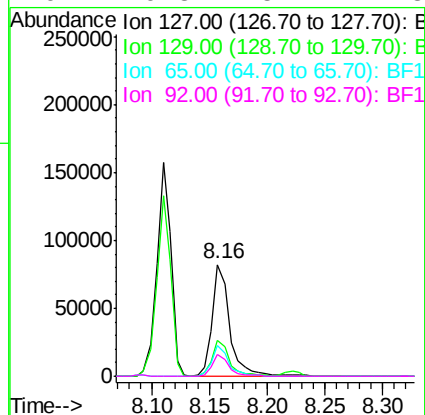
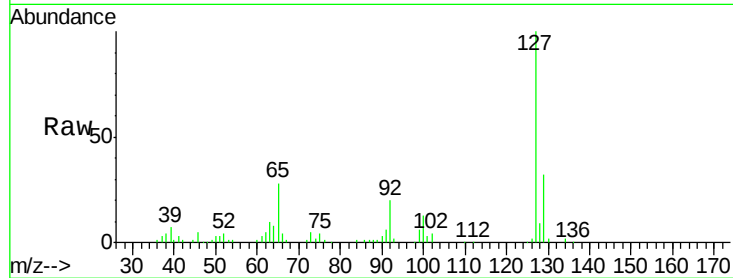
ClientSampleId :

NAA-WS-006MS

Tot Ion:	127	Resp:	87327
Ion Ratio	Lower	Upper	
127	100		
129	31.8	25.9	38.9
65	27.8	25.0	37.4
92	19.8	15.2	22.8

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#34

Hexachlorobutadiene

Concen: 36.485 ng

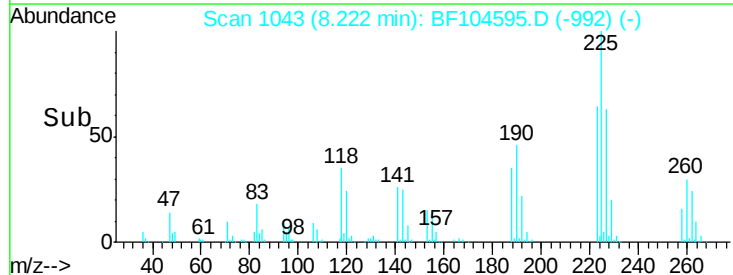
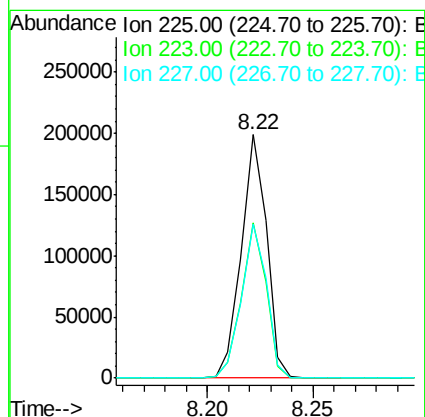
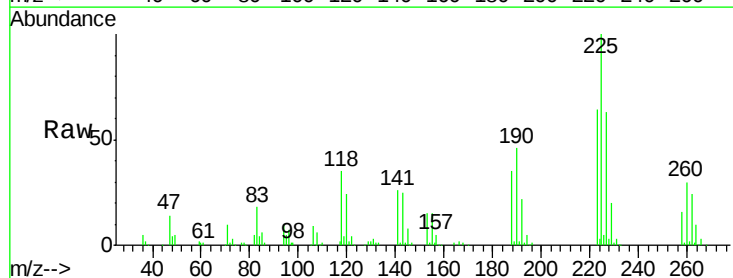
RT: 8.22 min Scan# 1043

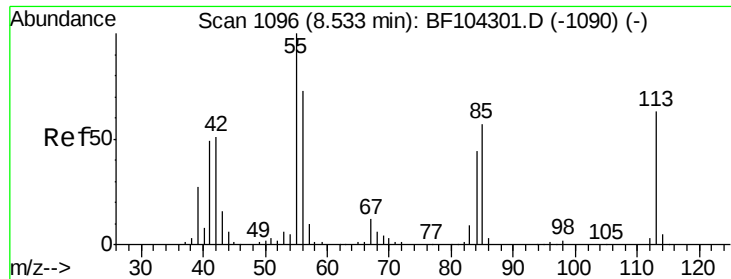
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	225	Resp:	164591
Ion Ratio	Lower	Upper	
225	100		
223	63.6	50.6	76.0
227	63.0	51.9	77.9





#35

Caprolactam

Concen: 35.367 ng/mL

RT: 8.53 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

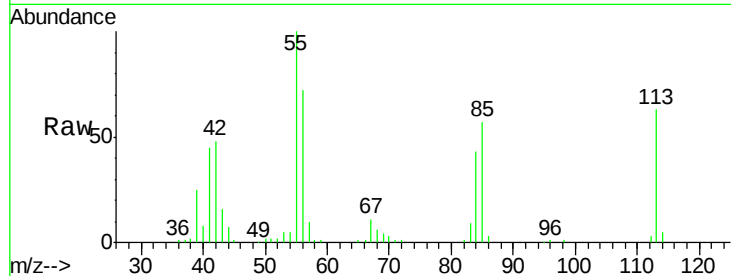
ClientSampleId :

NAA-WS-006MS

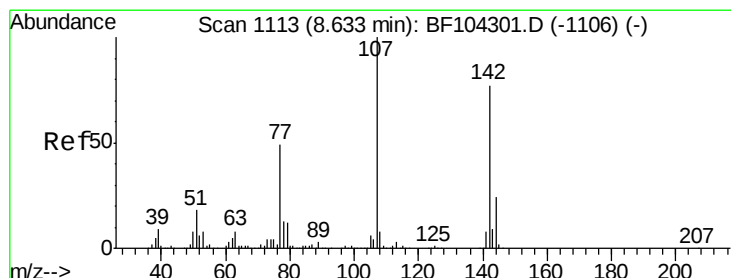
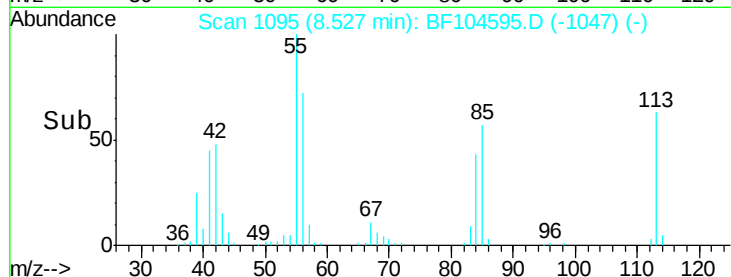
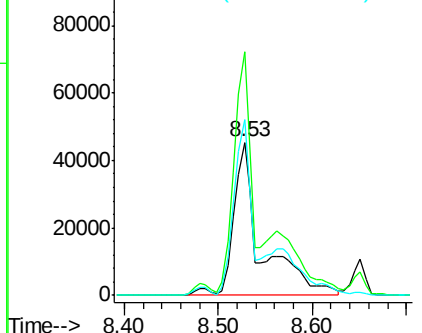
Tot Ion:	113	Resp:	92591
Ion Ratio	Lower	Upper	
113	100		
55	158.9	163.3	203.3#
56	114.6	115.7	155.7#

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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: 39.132 ng/mL

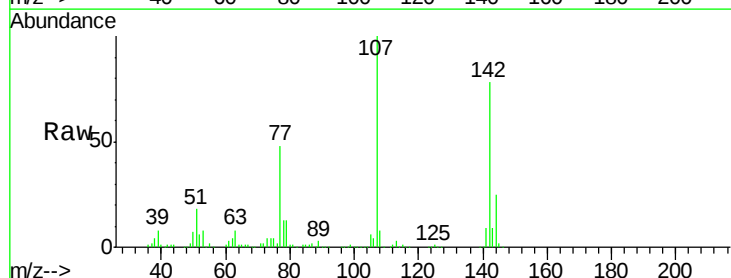
RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

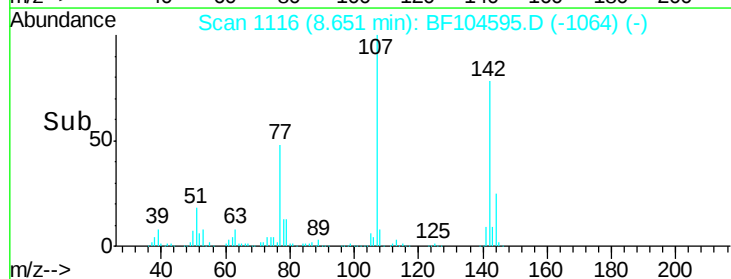
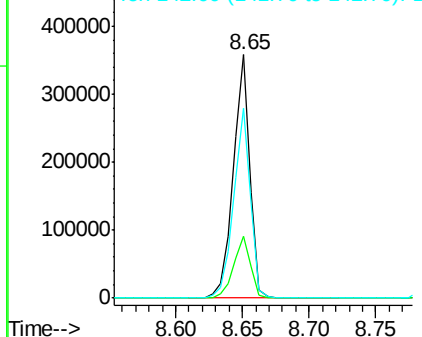
Lab File: BF104595.D

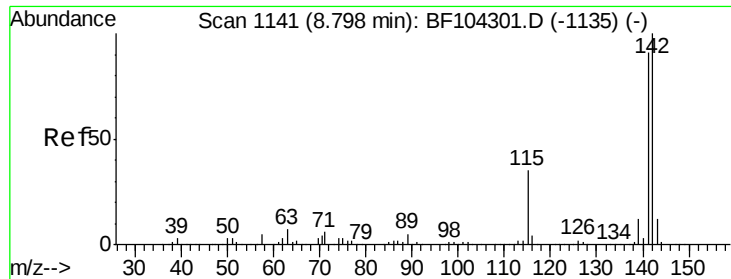
Acq: 18 Apr 2018 12:25

Tgt Ion:	107	Resp:	314894
Ion Ratio	Lower	Upper	
107	100		
144	25.3	20.5	30.7
142	78.1	62.0	93.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





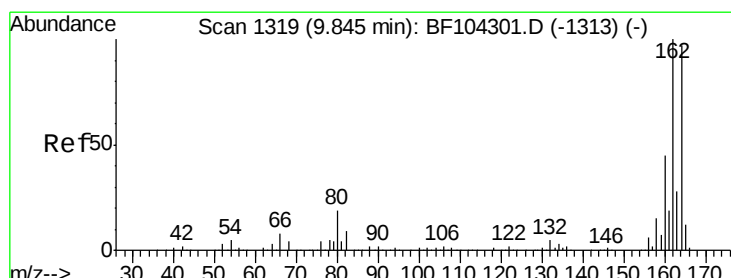
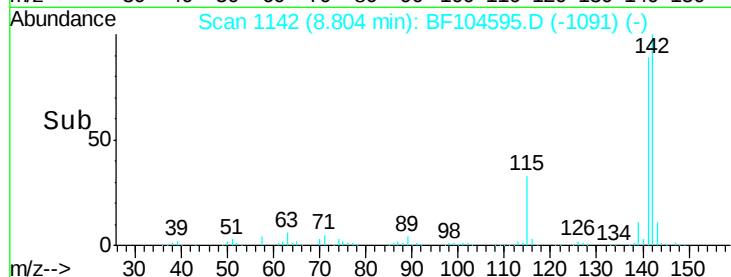
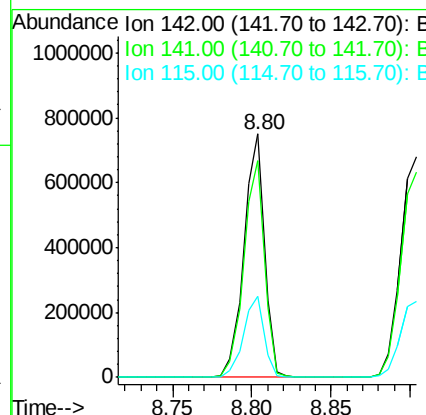
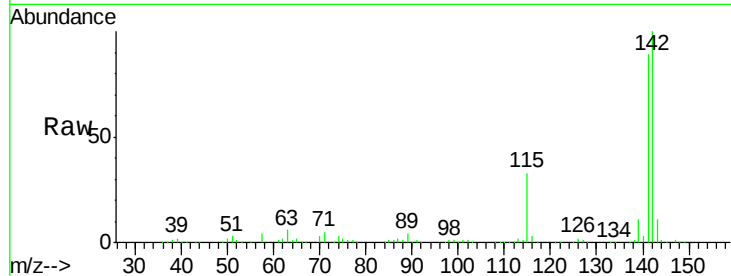
#37
2-Methylnaphthalene
Concen: 37.944 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	33.2	26.1	39.1

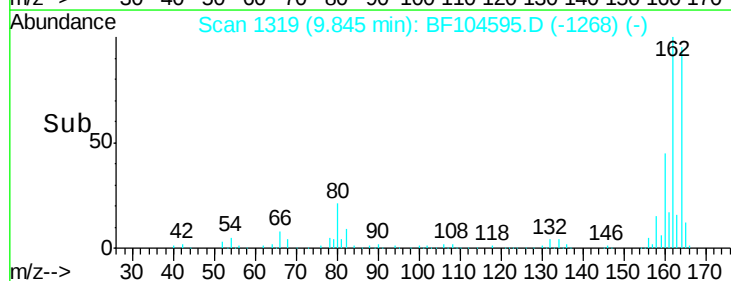
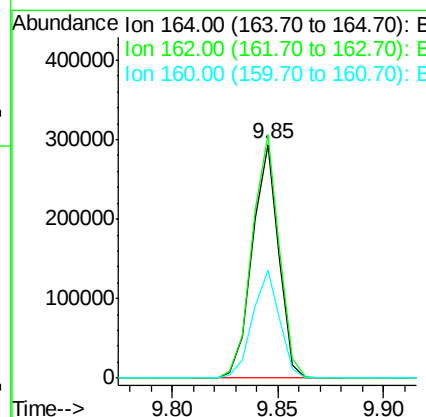
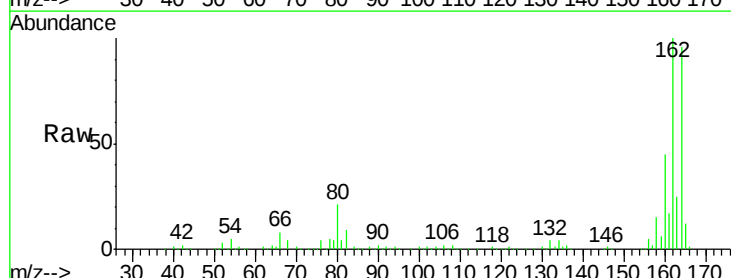
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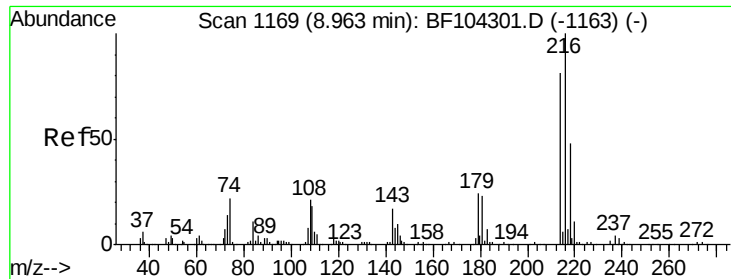
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	46.4	38.3	57.5





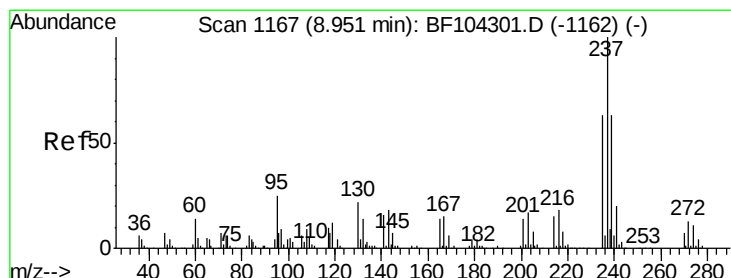
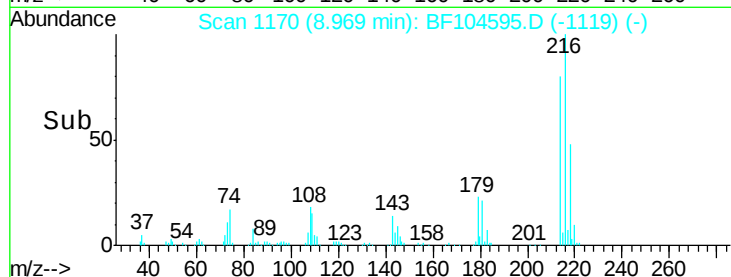
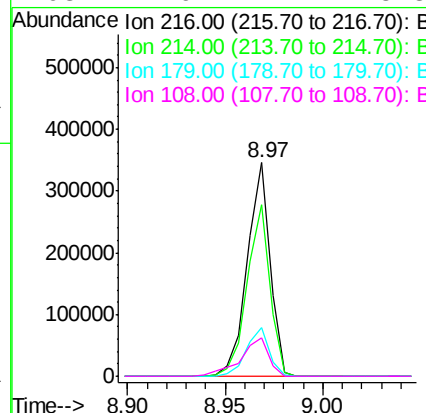
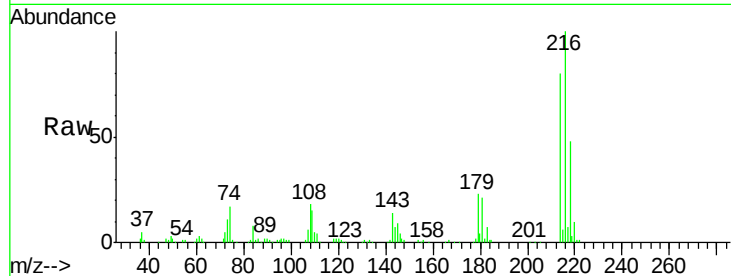
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.758 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		281559		
214	79.9	63.0	94.4		
179	22.5	18.1	27.1		
108	21.9	17.2	25.8		

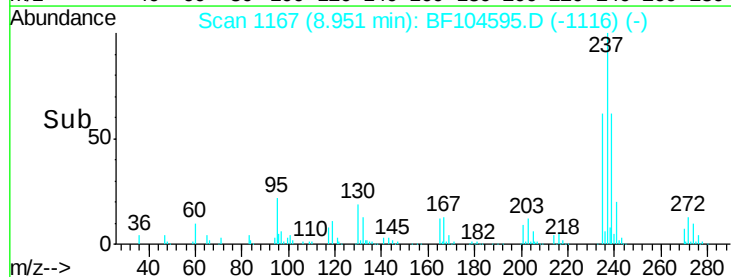
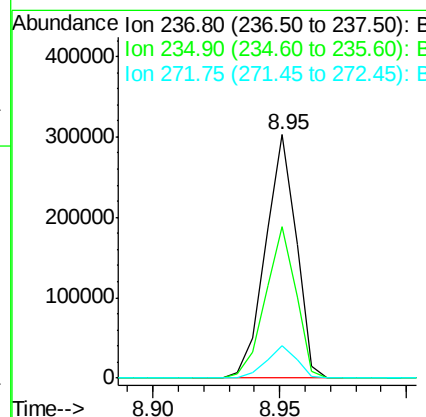
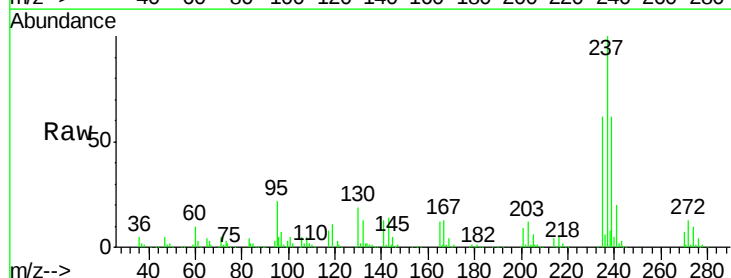
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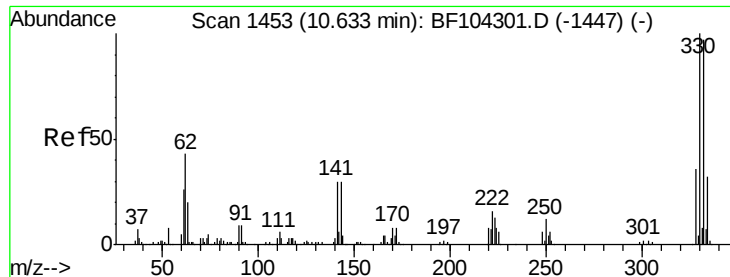
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#40
 Hexachlorocyclopentadiene
 Concen: 63.069 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		256499		
235	62.1	44.8	84.8		
272	13.1	0.0	33.3		





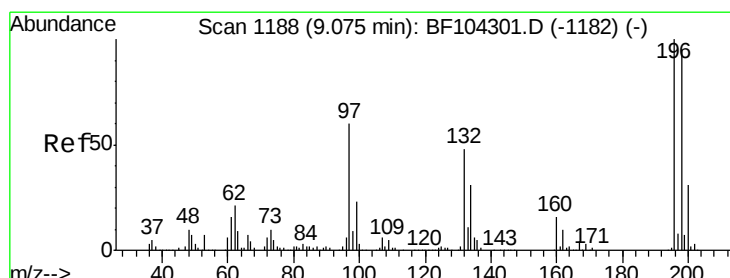
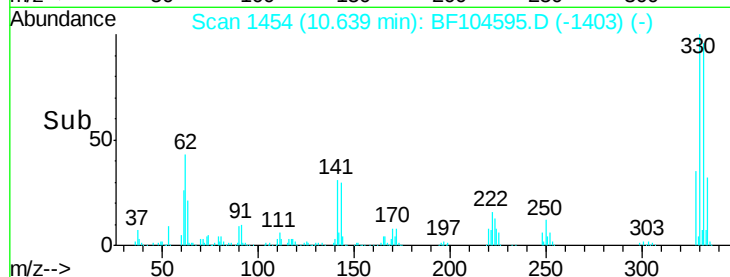
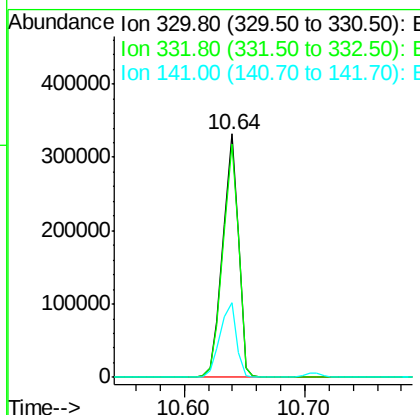
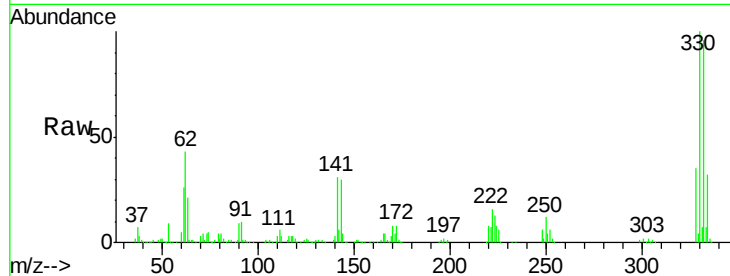
#41
 2,4,6-Tribromophenol
 Concen: 114.201 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	31.9	29.9	44.9	

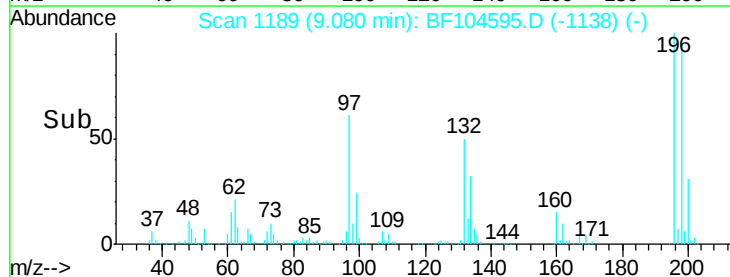
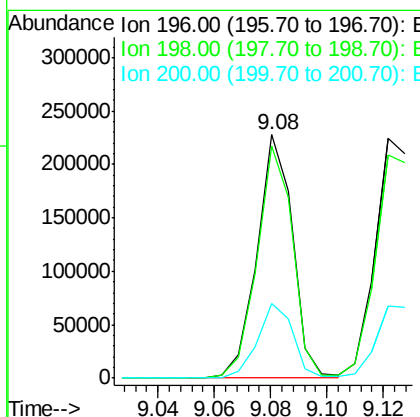
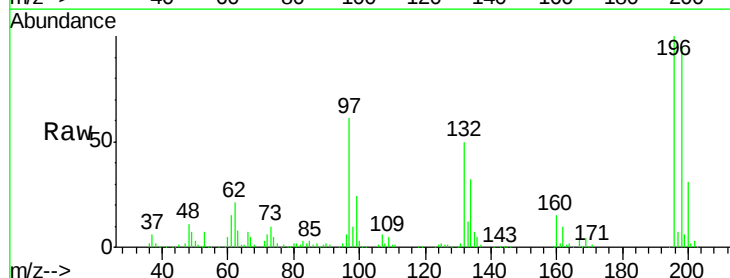
Manual Integrations
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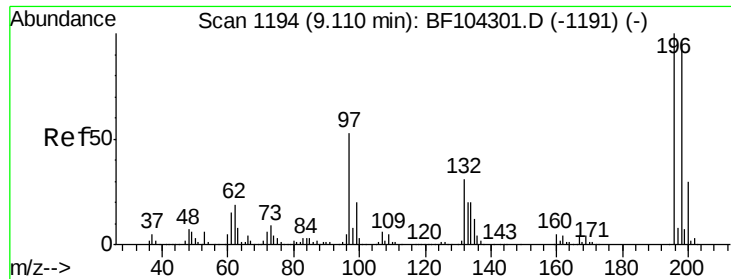
Sohil
 4/19/2018 12:42:51 PM



#42
 2,4,6-Trichlorophenol
 Concen: 39.474 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.1	75.7	113.5	
200	30.7	24.5	36.7	





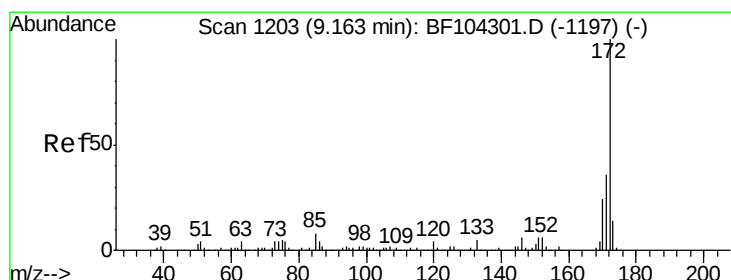
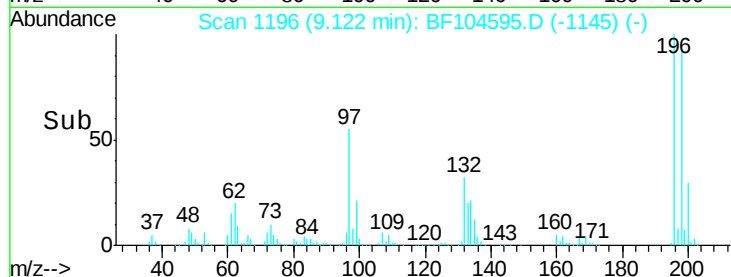
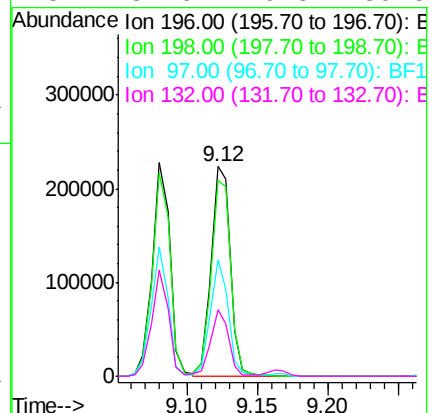
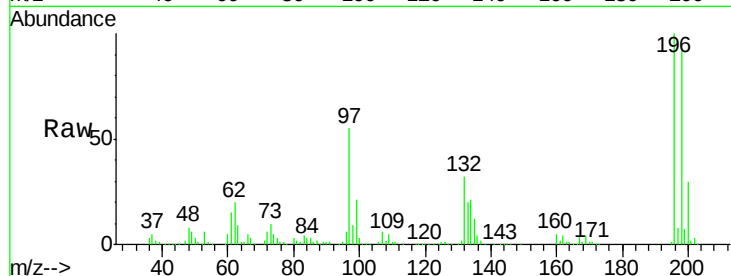
#43
 2,4,5-Trichlorophenol
 Concen: 37.639 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		212404		
198	93.4	74.6	112.0		
97	55.2	42.9	64.3		
132	31.6	26.3	39.5		

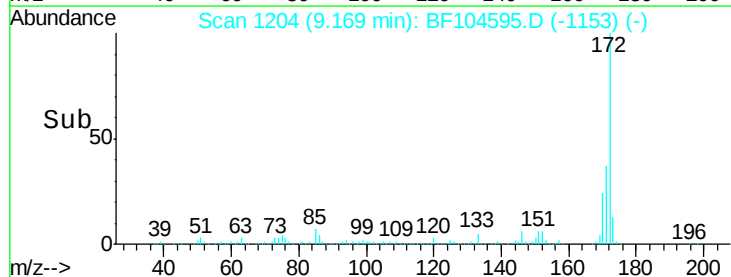
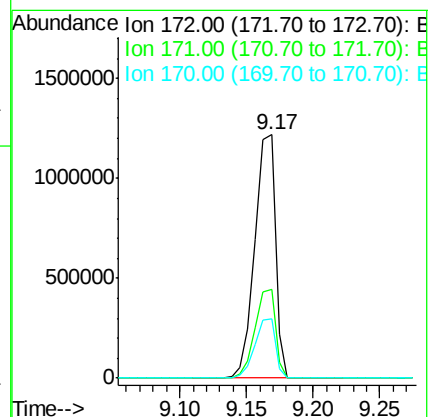
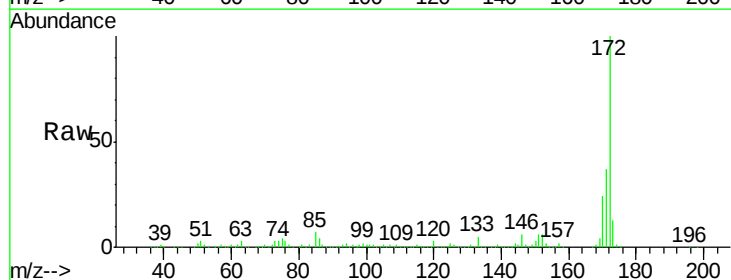
Manual Integrations
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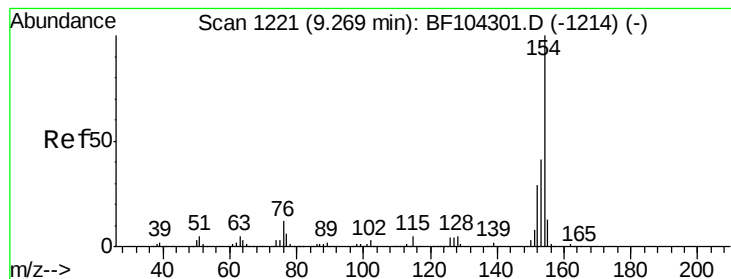
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 79.994 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1285044		
171	36.6	29.7	44.5		
170	24.3	19.6	29.4		





#45

1,1'-Biphenyl

Concen: 36.920 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

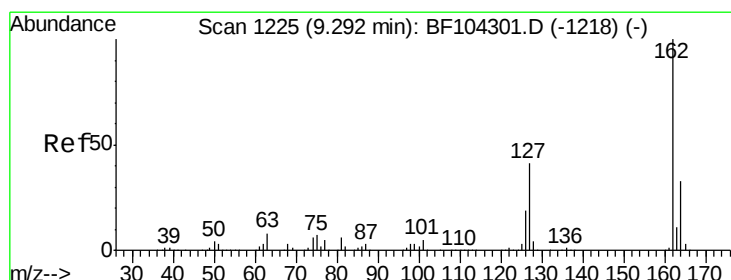
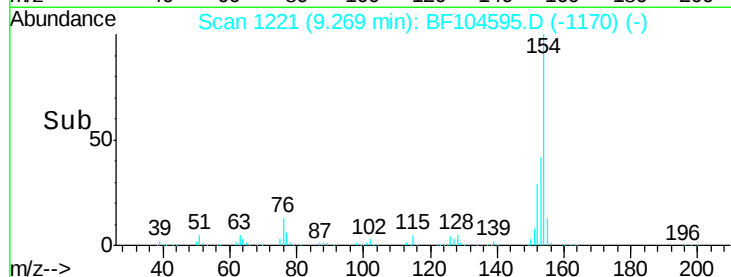
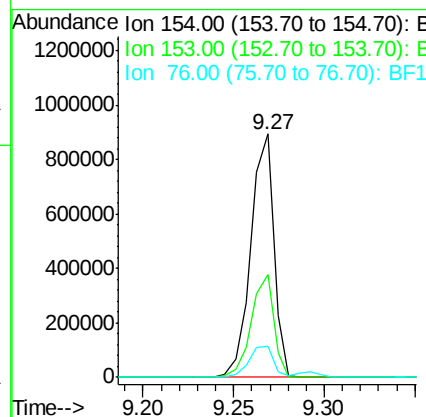
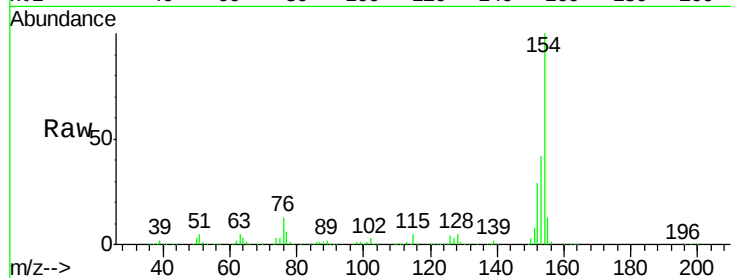
ClientSampleId :

NAA-WS-006MS

Tot Ion:	154	Resp:	787087
Ion Ratio	Lower	Upper	
154	100		
153	42.1	21.3	61.3
76	12.8	0.0	34.0

Manual Integrations
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#46

2-Chloronaphthalene

Concen: 37.062 ng

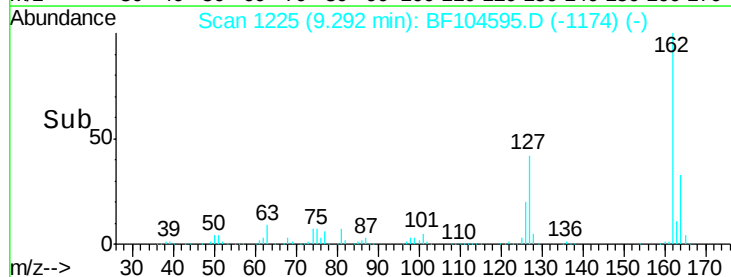
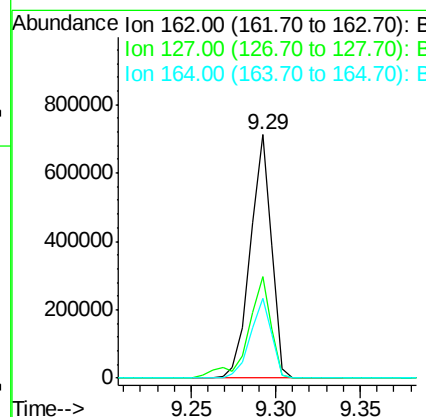
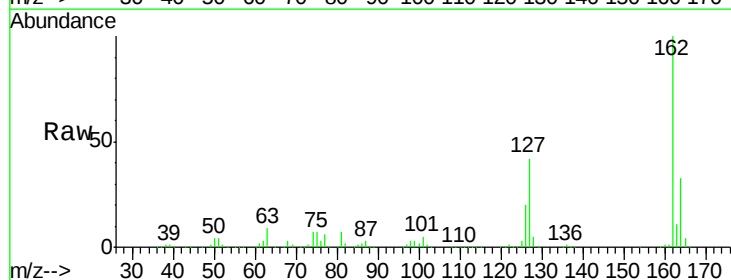
RT: 9.29 min Scan# 1225

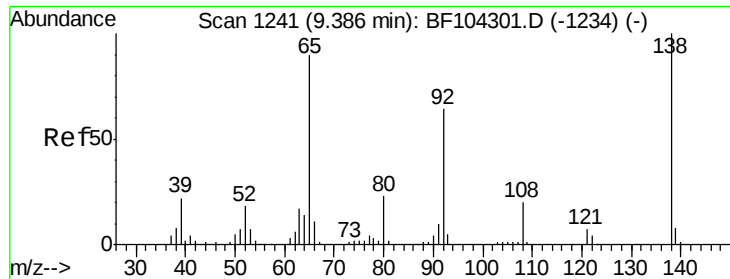
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	162	Resp:	624089
Ion Ratio	Lower	Upper	
162	100		
127	41.6	33.9	50.9
164	32.8	26.5	39.7





#47

2-Nitroaniline

Concen: 45.547 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

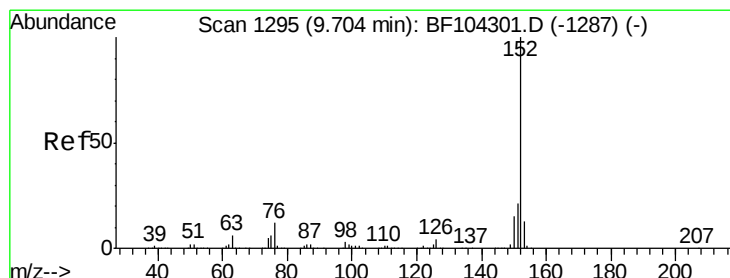
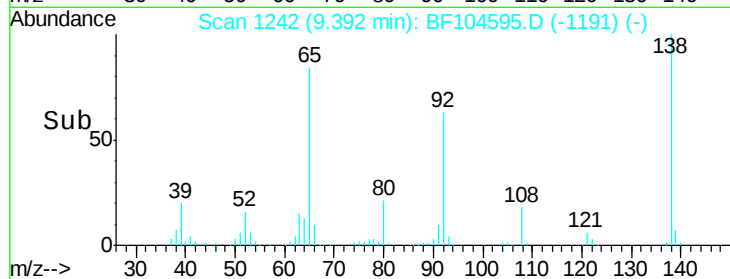
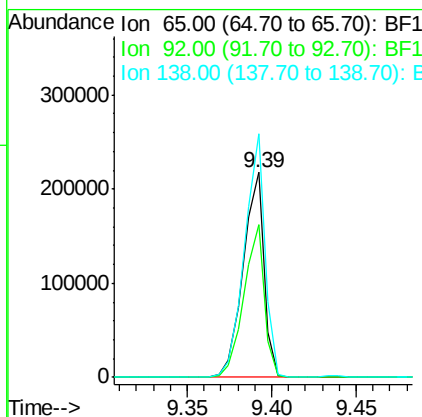
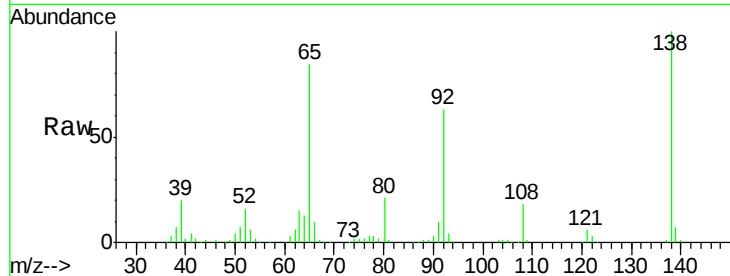
ClientSampleId :

NAA-WS-006MS

Tot Ion:	65	Resp:	189672
Ion Ratio	Lower	Upper	
65	100		
92	74.6	55.8	83.6
138	119.0	91.2	136.8

Manual Integrations
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#48

Acenaphthylene

Concen: 35.615 ng

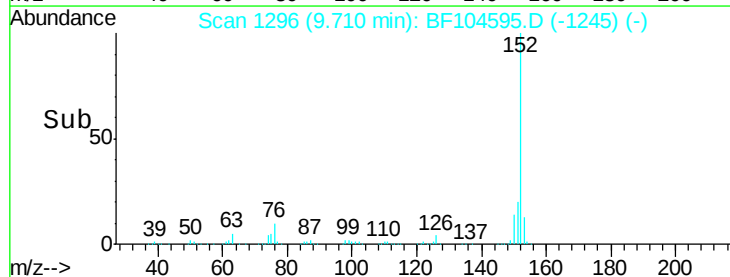
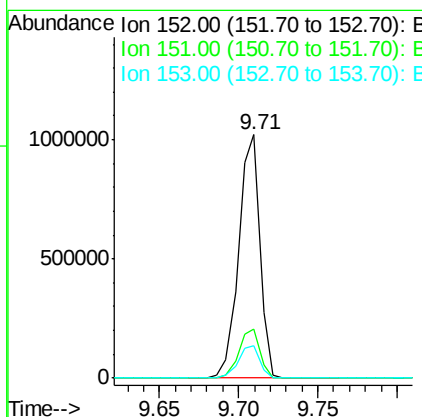
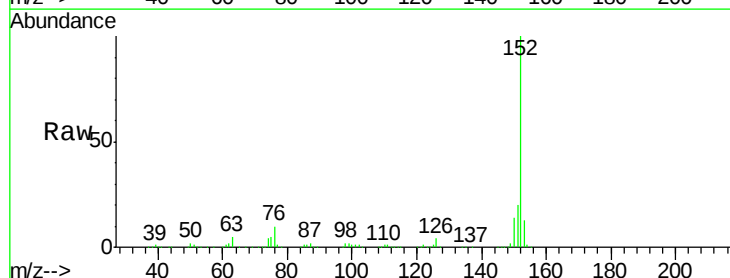
RT: 9.71 min Scan# 1296

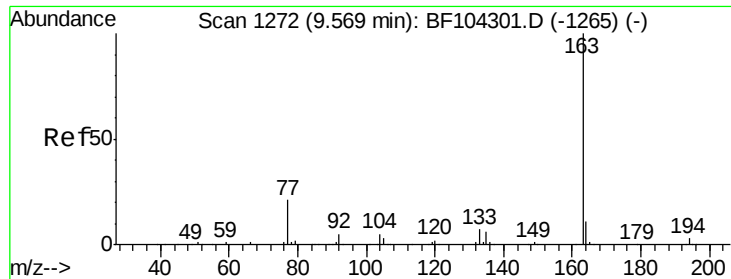
Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	152	Resp:	940952
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1





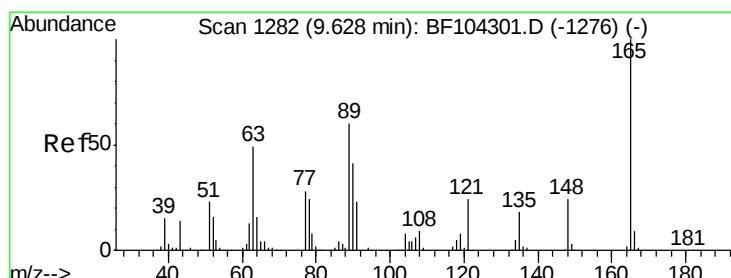
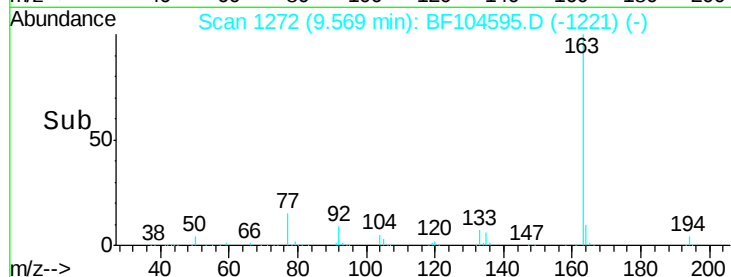
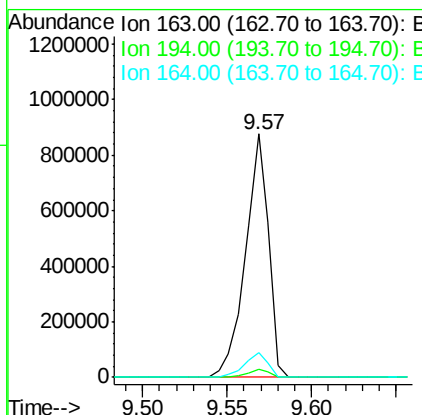
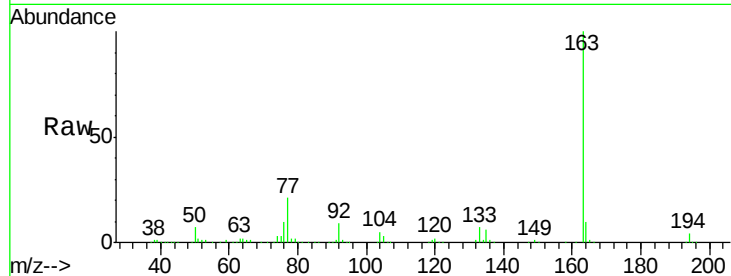
#49
Dimethylphthalate
Concen: 41.844 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	837381		
194	3.5	2.7	4.1	
164	10.4	8.2	12.2	

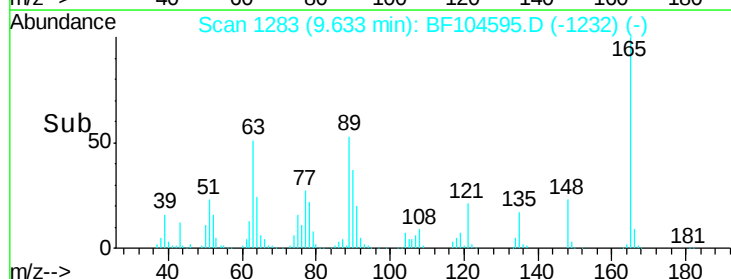
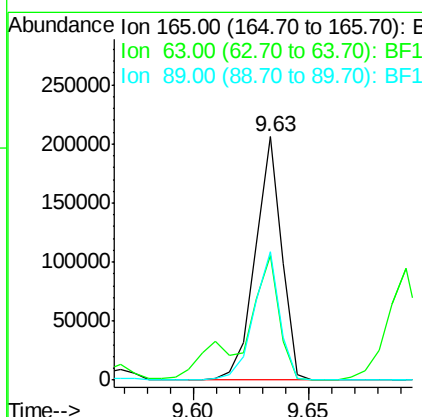
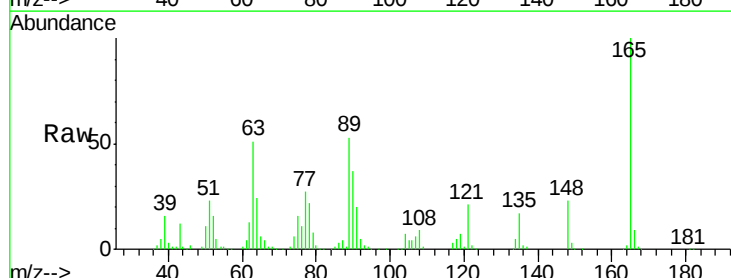
Manual Integrations
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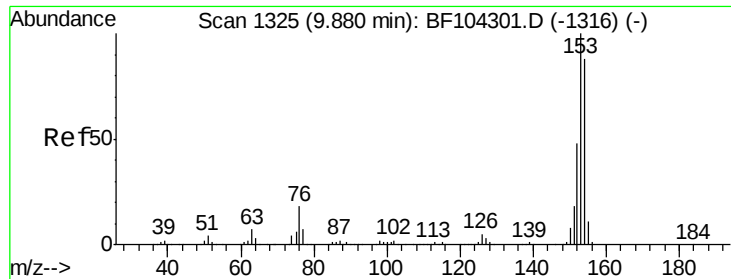
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#50
2,6-Dinitrotoluene
Concen: 44.412 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	164458		
63	50.9	44.7	67.1	
89	52.8	44.0	66.0	





#51

Acenaphthene

Concen: 33.820 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

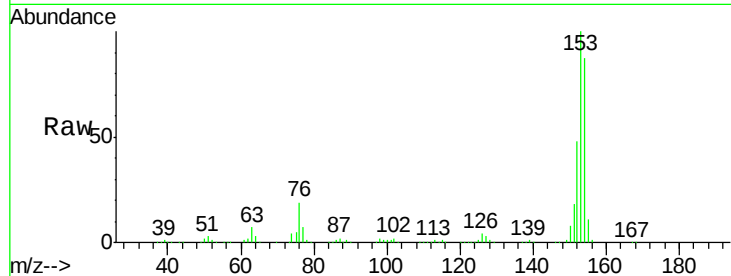
ClientSampleId :

NAA-WS-006MS

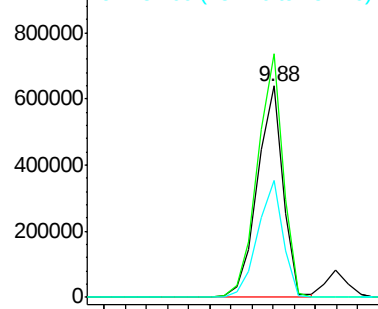
Tot Ion:	154	Resp:	545181
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.2	136.8
152	55.3	43.8	65.8

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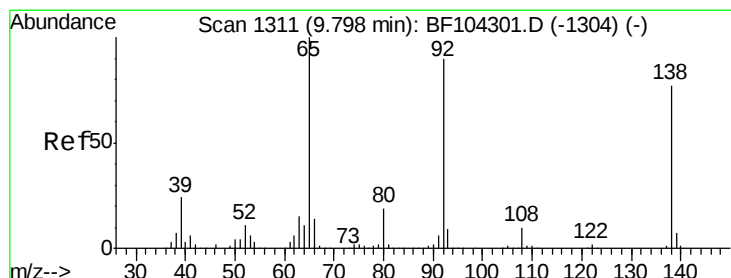
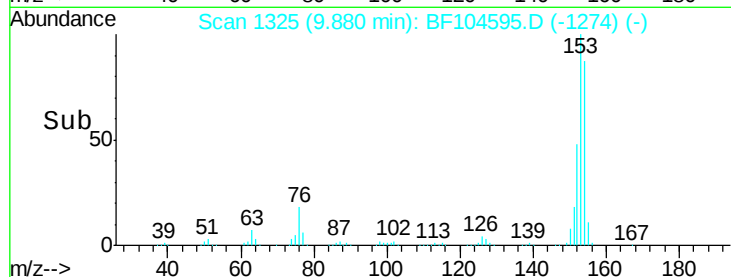
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#52

3-Nitroaniline

Concen: 18.202 ng

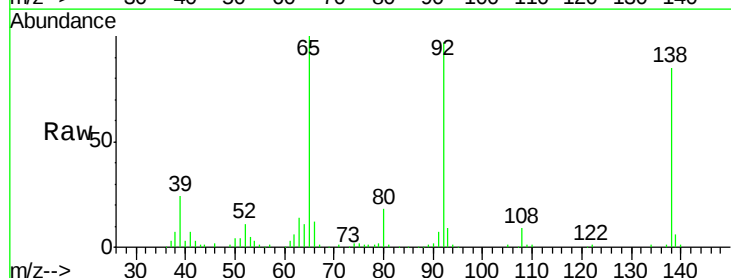
RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

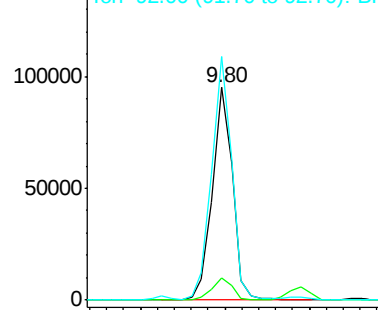
Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

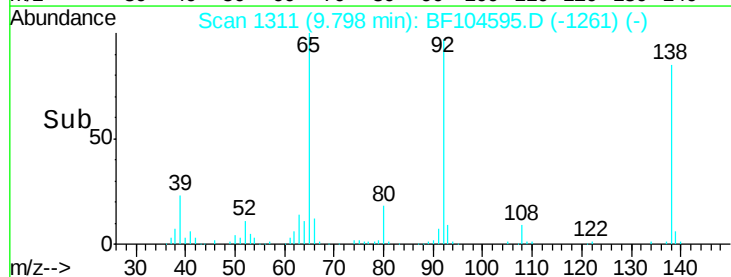
Tgt Ion:	138	Resp:	78907
Ion Ratio	Lower	Upper	
138	100		
108	10.4	9.4	14.0
92	114.6	89.4	134.2

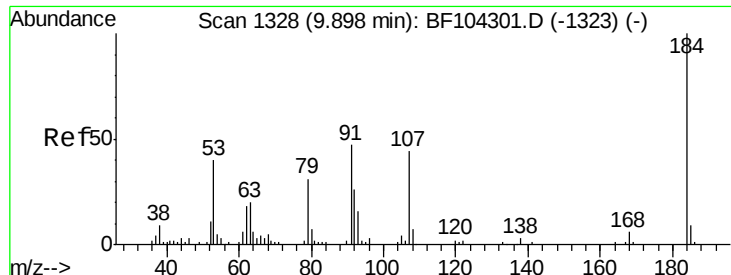


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



Time-->





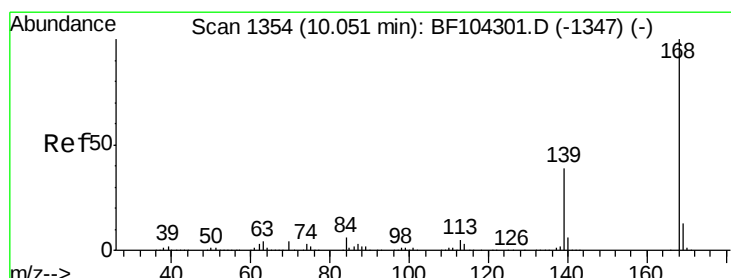
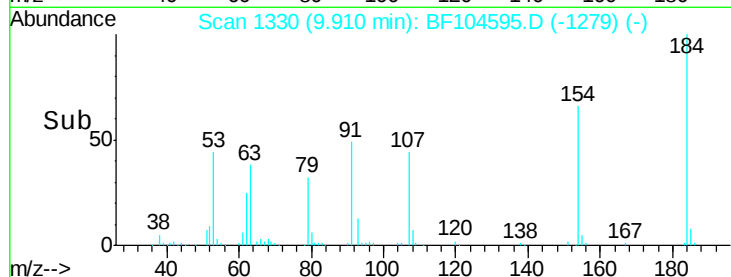
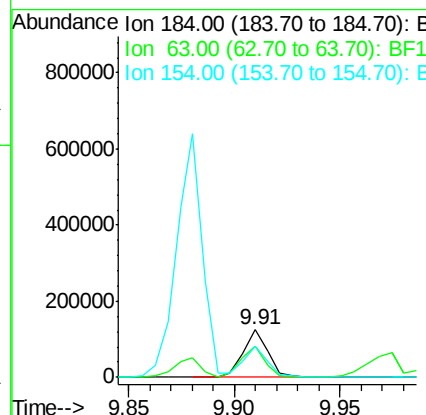
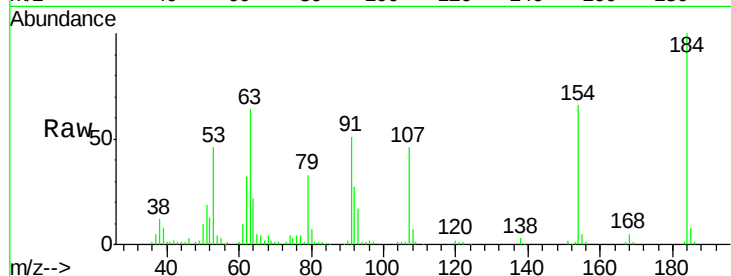
#53
 2,4-Dinitrophenol
 Concen: 70.785 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	64.1	54.2	81.2	
154	66.5	184.0	276.0	

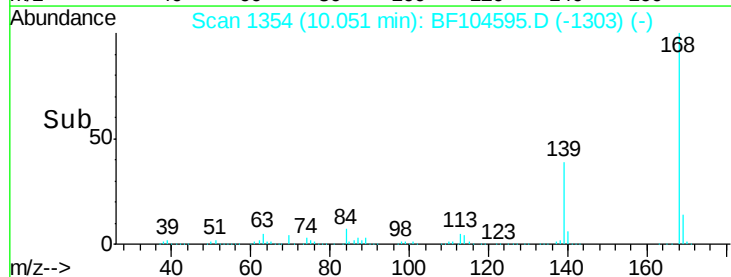
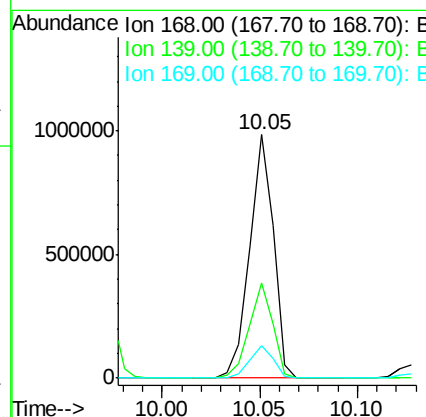
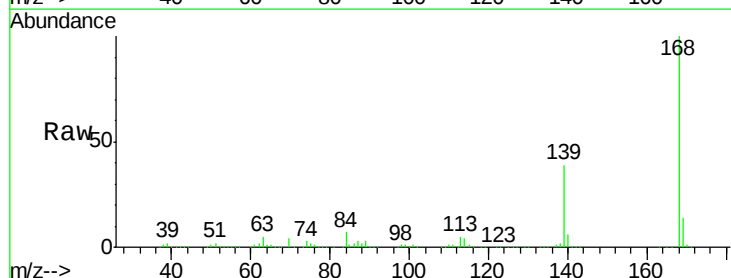
Manual Integrations
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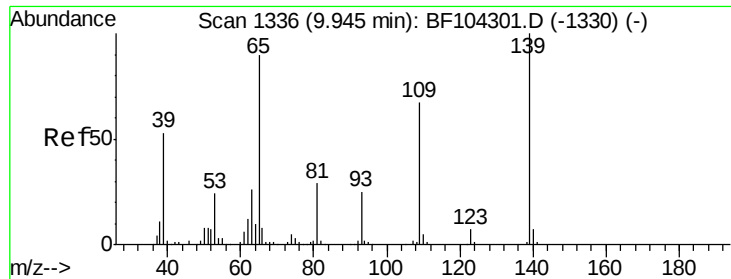
Sohil
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#54
 Dibenzofuran
 Concen: 36.955 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.0	30.1	45.1	
169	13.5	10.9	16.3	





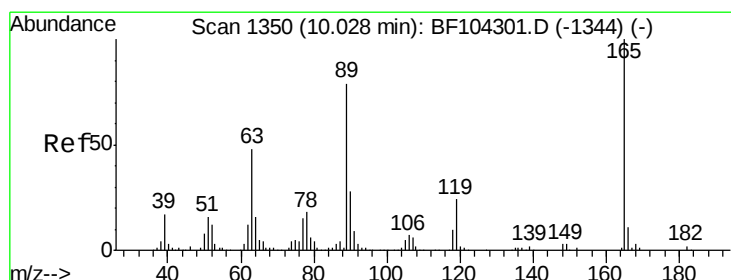
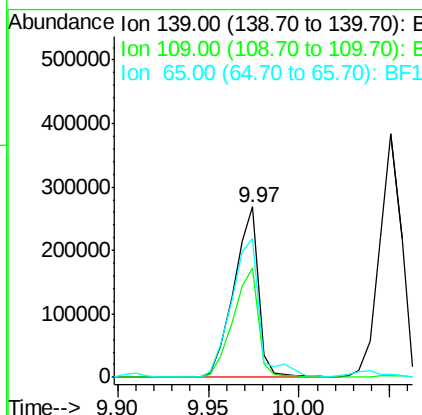
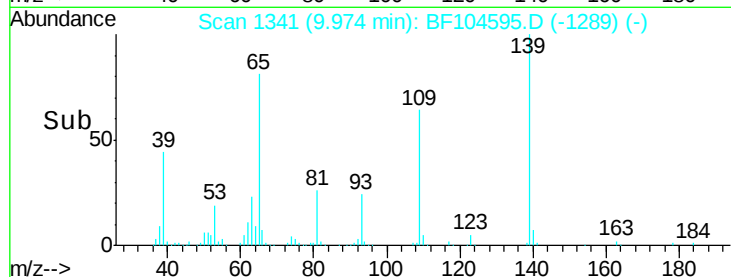
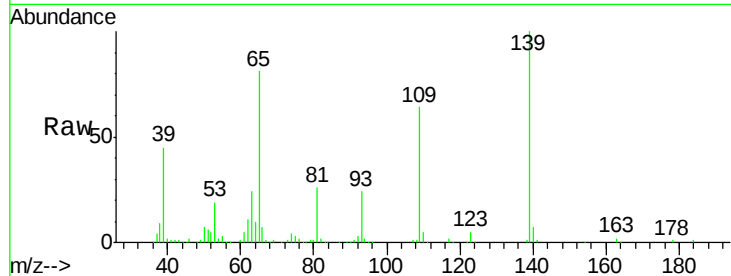
#55
4-Nitrophenol
Concen: 74.526 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	253791		
109	63.9	48.4	88.4	
65	81.0	72.6	112.6	

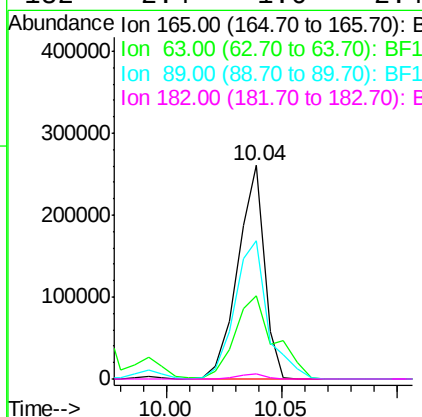
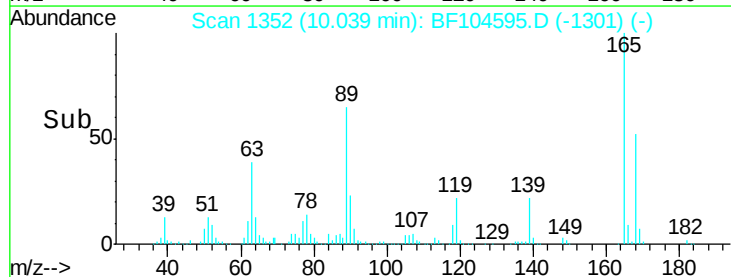
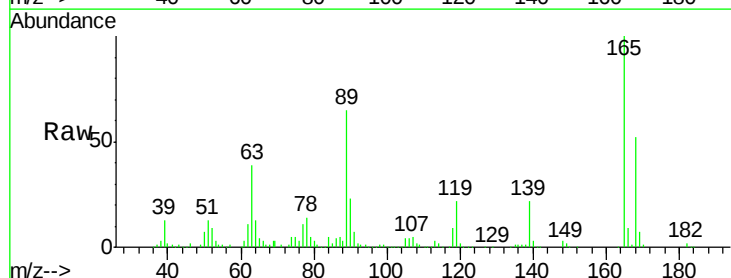
Manual Integrations
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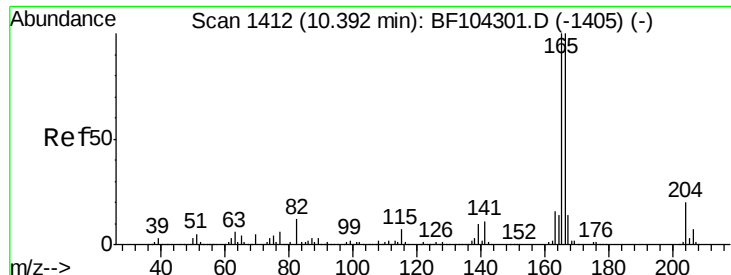
Sohil
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#56
2,4-Dinitrotoluene
Concen: 43.445 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	211027		
63	38.7	36.4	54.6	
89	64.6	57.8	86.6	
182	2.4	1.6	2.4	





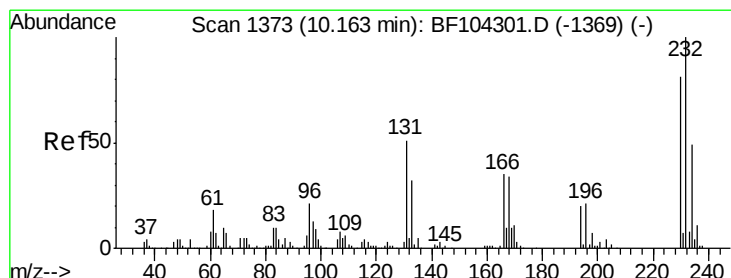
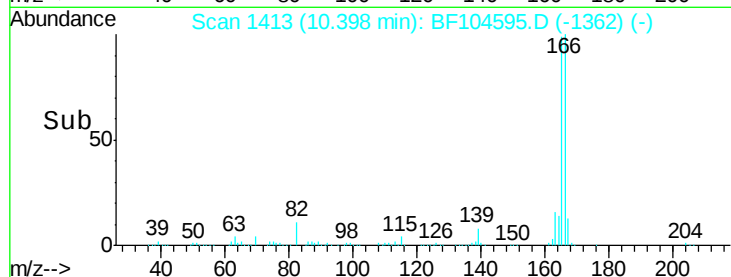
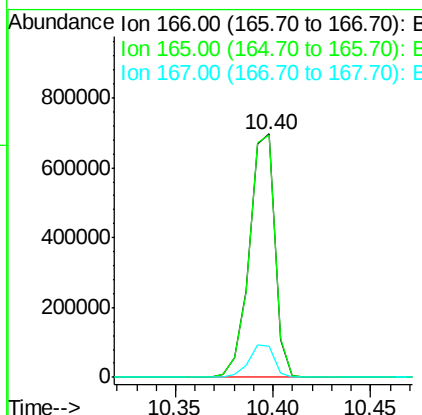
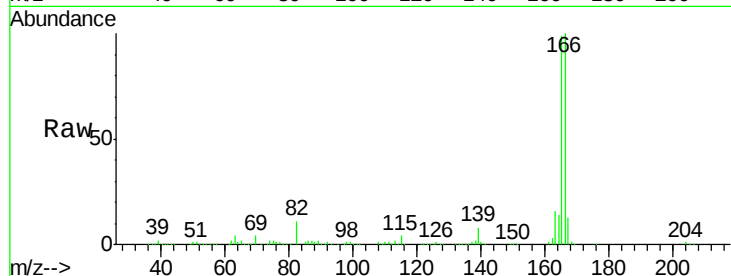
#57
 Fluorene
 Concen: 38.654 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	13.0	10.6	16.0

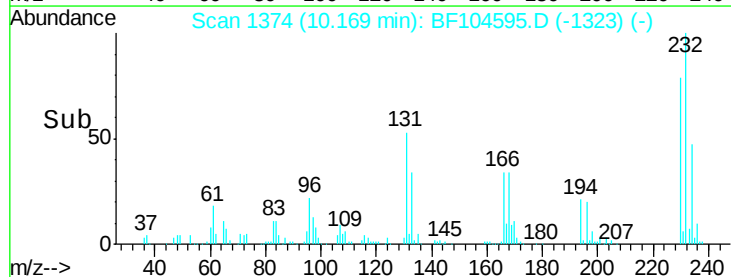
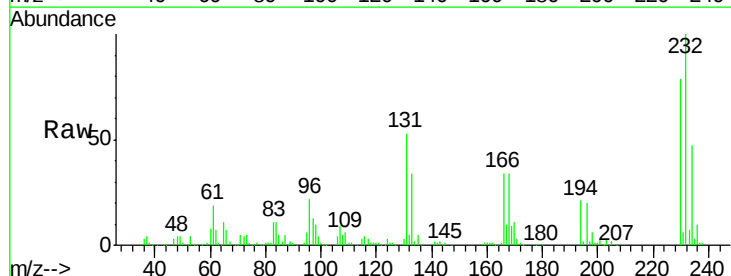
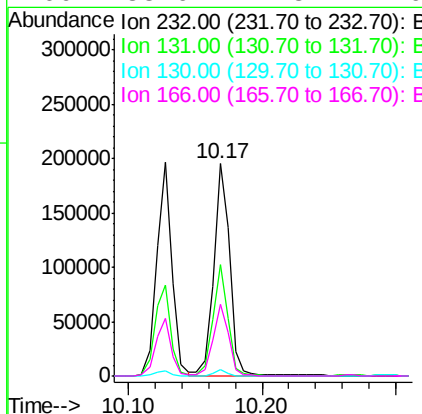
Manual Integrations
 APPROVED

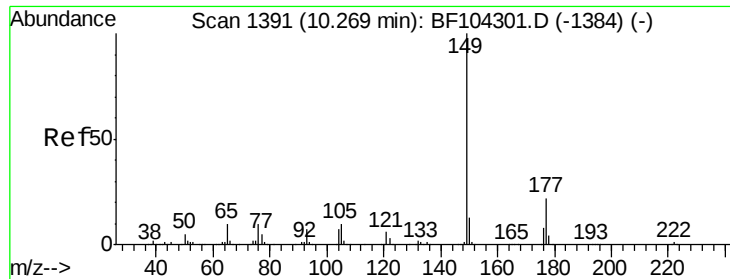
Sohil
 4/19/2018 12:42:51 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 38.940 ng
 RT: 10.17 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.3	43.8	65.8
130	2.5	2.1	3.1
166	33.6	27.8	41.6





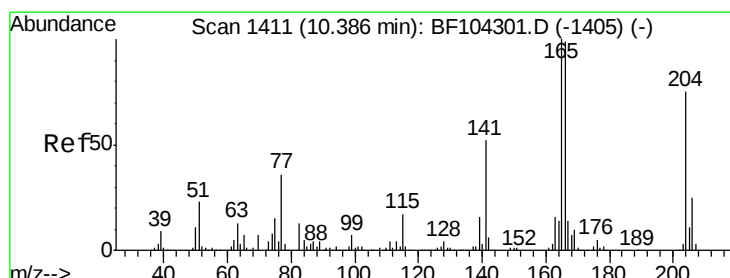
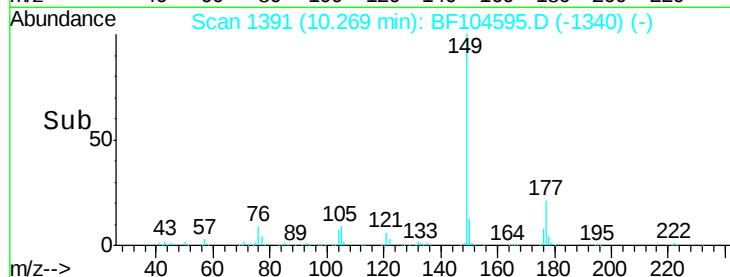
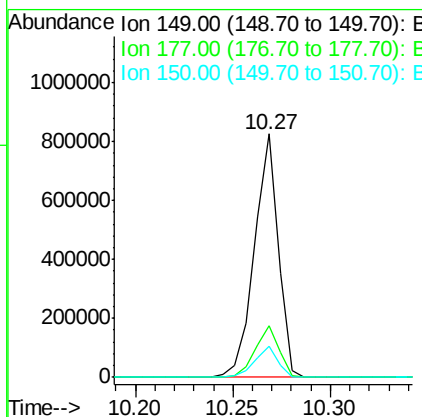
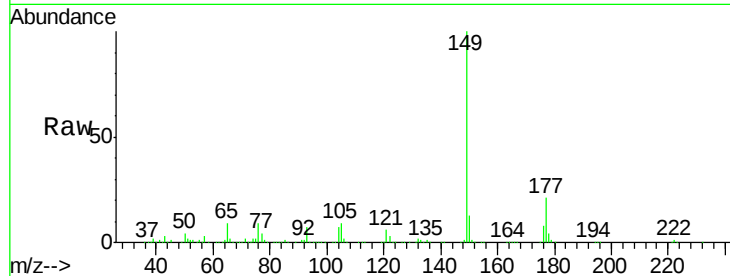
#59
Diethylphthalate
Concen: 35.149 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.1	24.1
150	12.7	10.1	15.1

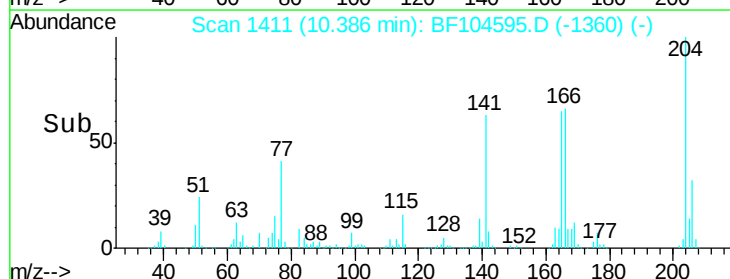
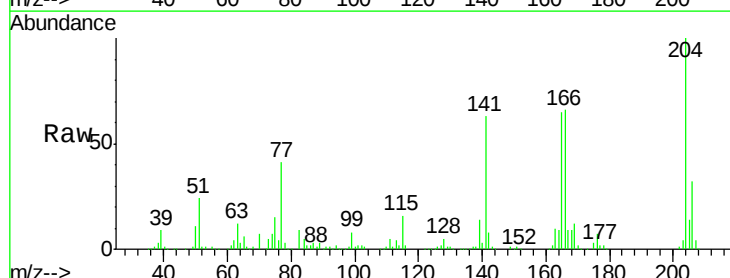
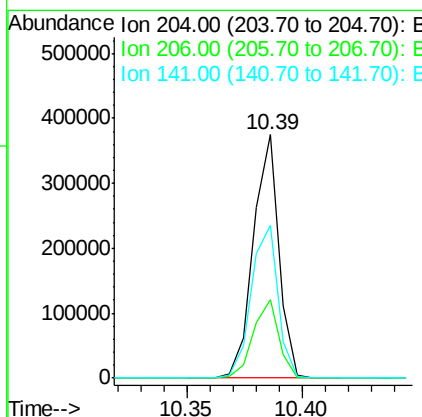
Manual Integrations
APPROVED

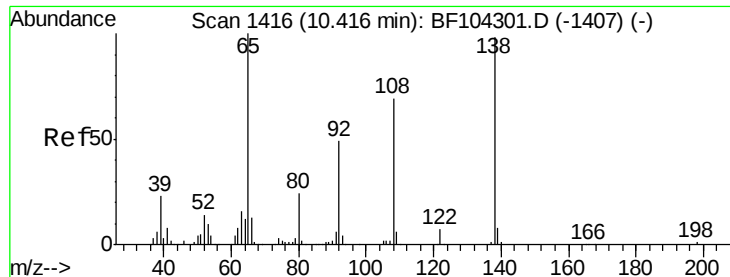
Sohil
4/19/2018 12:42:51 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.770 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	62.9	54.6	81.8





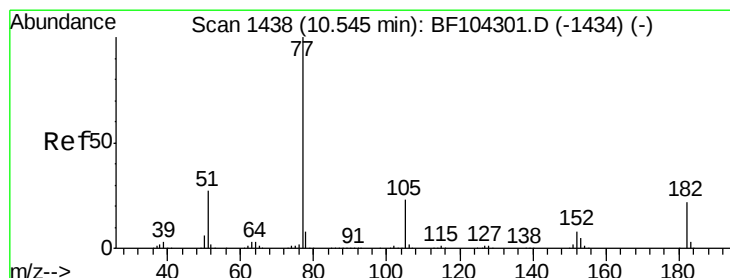
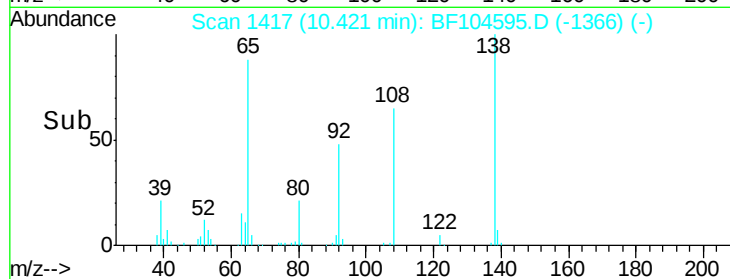
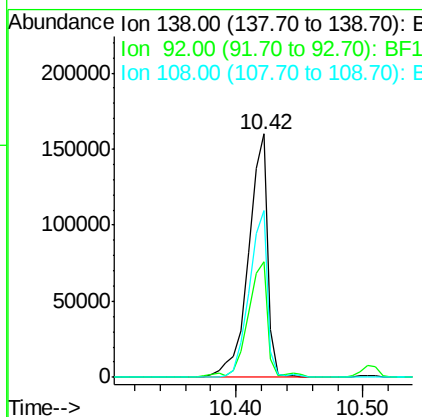
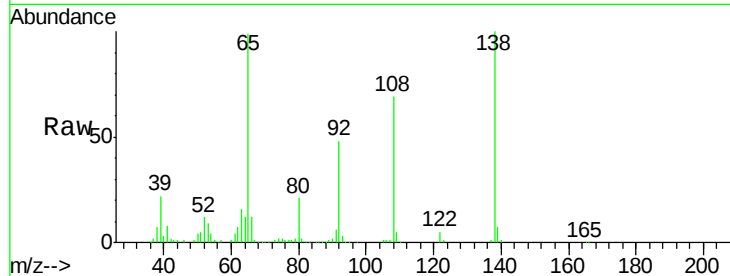
#61
4-Nitroaniline
Concen: 39.814 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.5	30.2	70.2
108	68.6	52.5	92.5

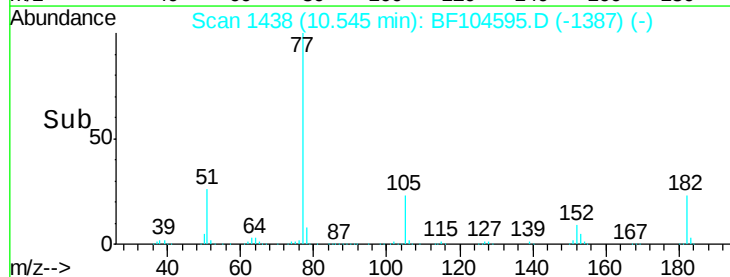
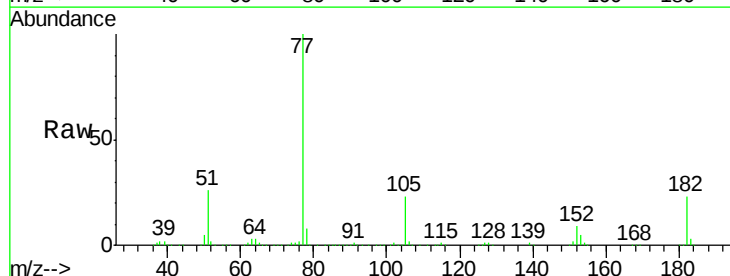
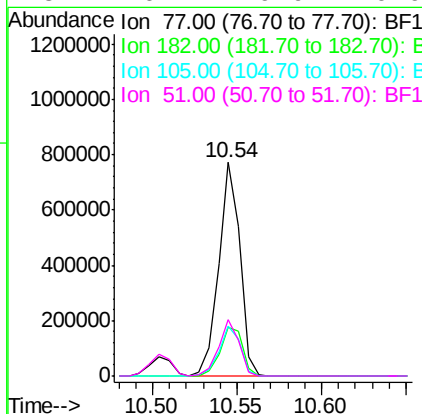
Manual Integrations
APPROVED

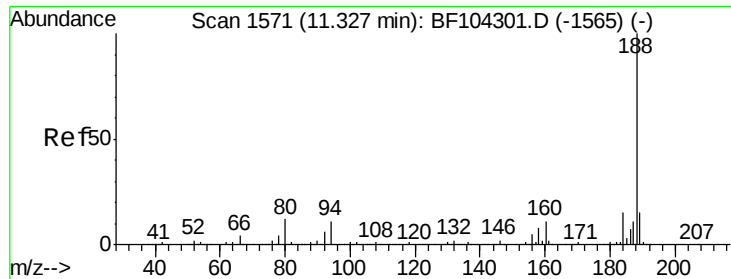
Sohil
4/19/2018 12:42:51 PM



#62
Azobenzene
Concen: 35.358 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.9	1.7	41.7
105	23.3	3.0	43.0
51	26.2	9.9	49.9





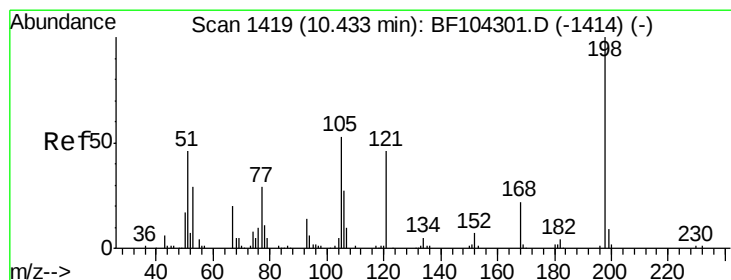
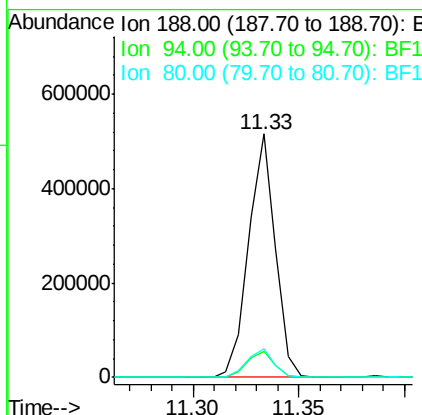
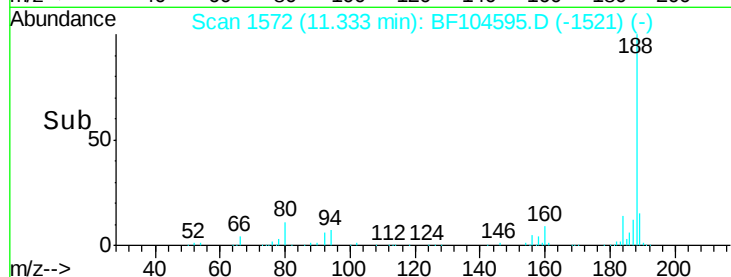
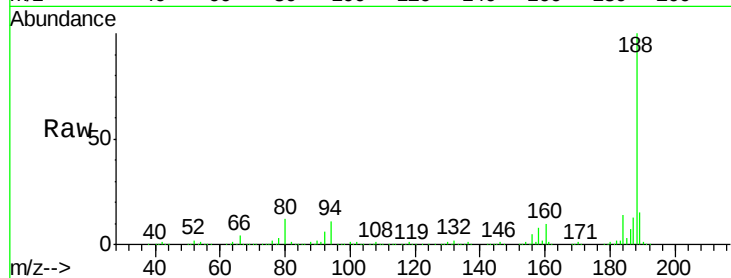
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8

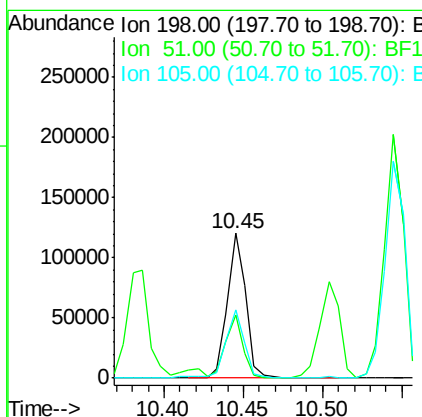
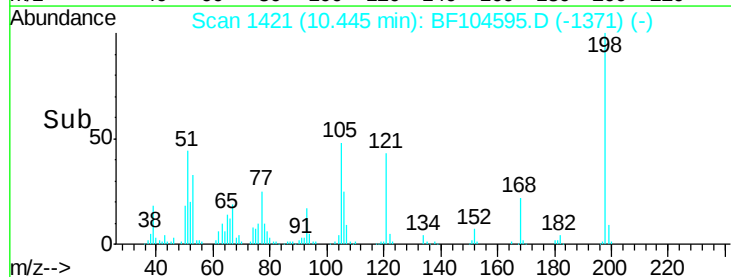
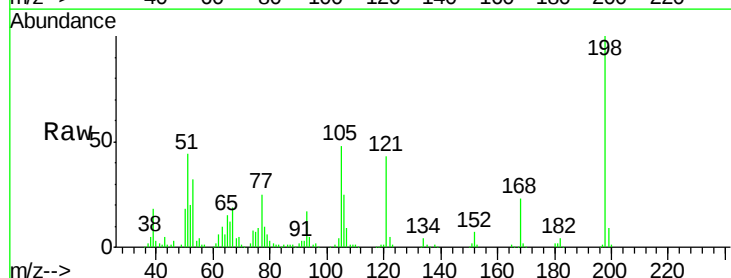
Manual Integrations
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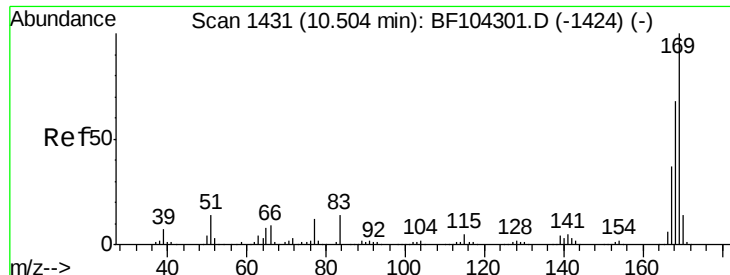
Sohil
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#64
 4,6-Dinitro-2-methylphenol
 Concen: 44.747 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	43.8	37.7	77.7
105	47.6	36.3	76.3





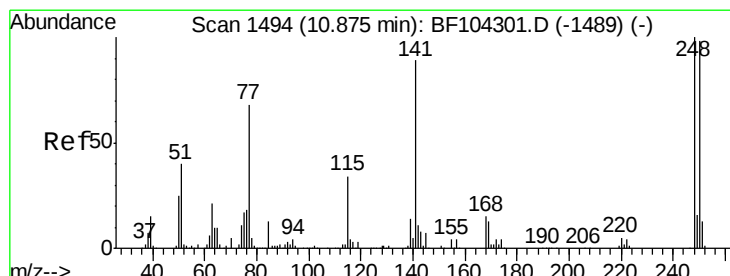
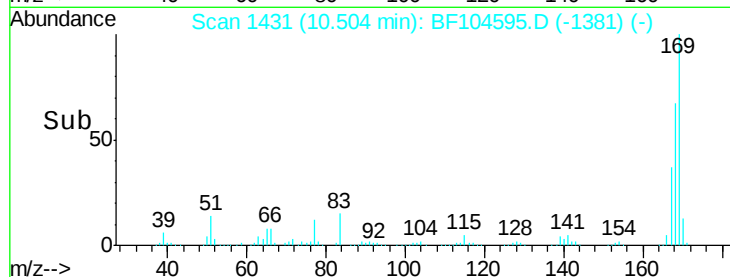
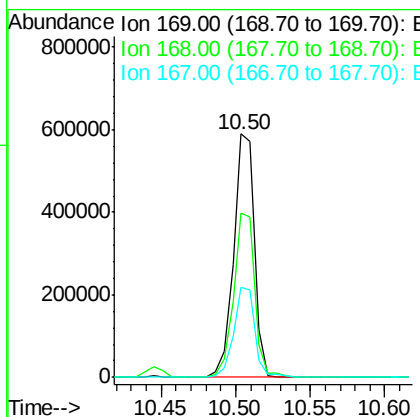
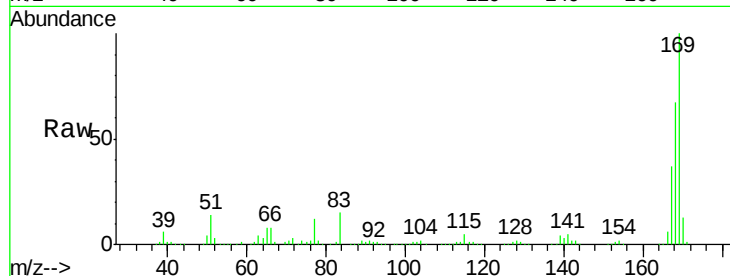
#65
 n-Nitrosodiphenylamine
 Concen: 37.003 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	578396		
168	67.2		54.4	81.6
167	37.2		29.8	44.6

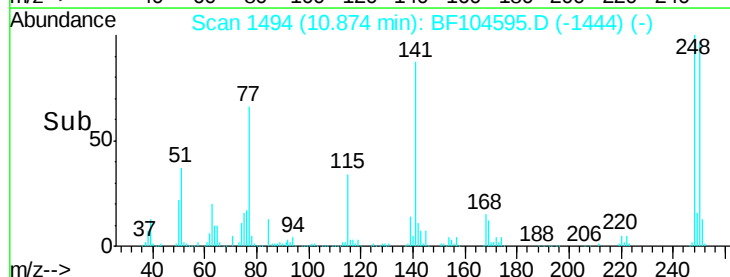
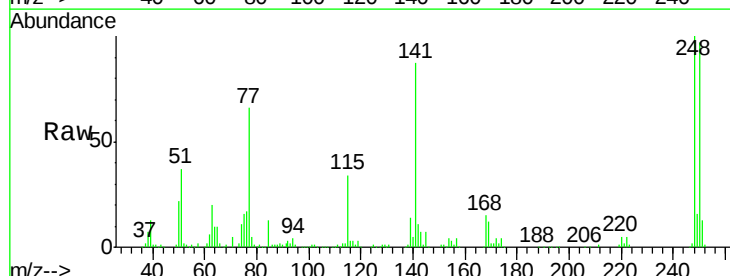
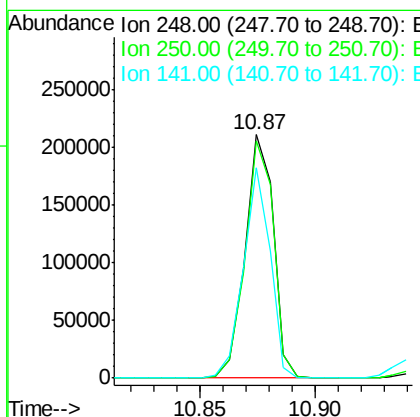
Manual Integrations
 APPROVED

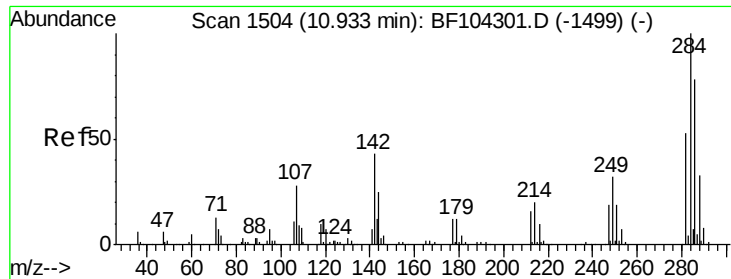
Sohil
 4/19/2018 12:42:51 PM



#66
 4-Bromophenyl-phenylether
 Concen: 37.937 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	181921		
250	97.2		76.9	115.3
141	86.6		74.4	111.6





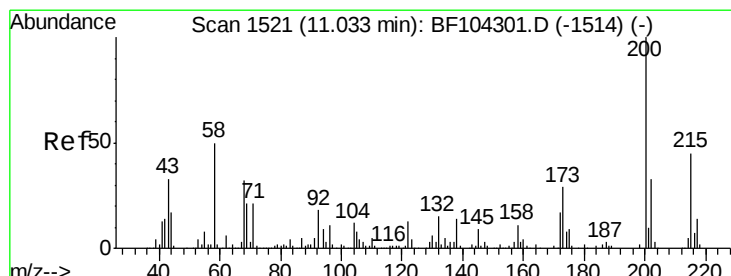
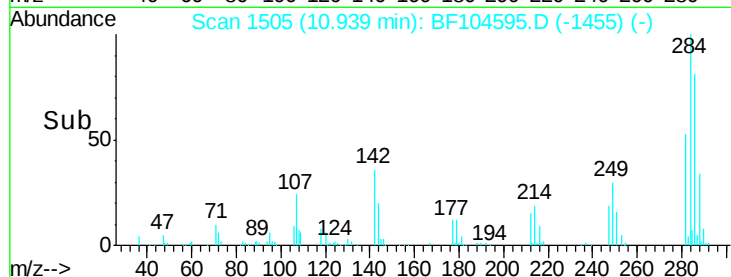
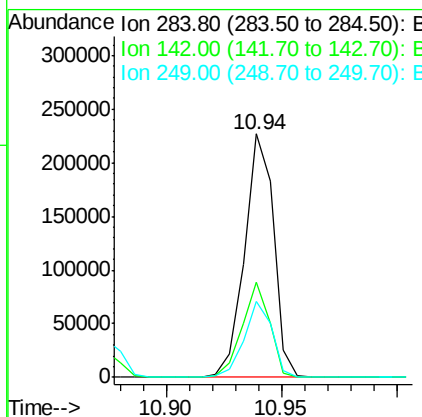
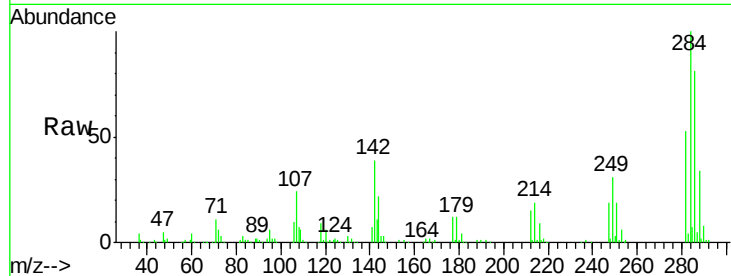
#67
Hexachlorobenzene
Concen: 37.085 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	200102		
142	38.9		34.6	52.0
249	31.4		24.8	37.2

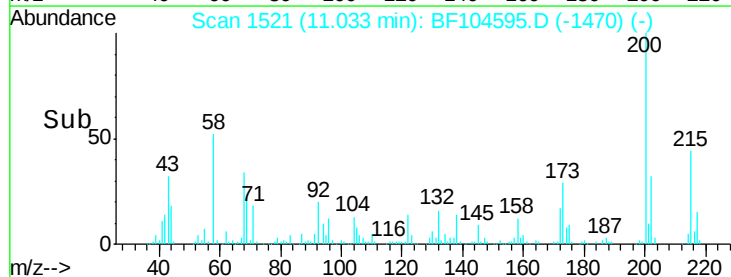
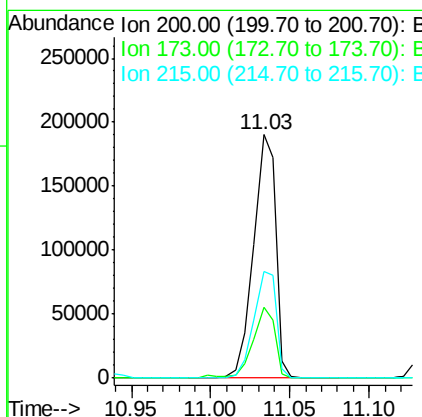
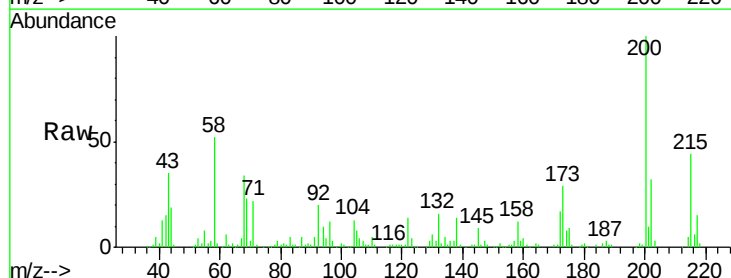
Manual Integrations
APPROVED

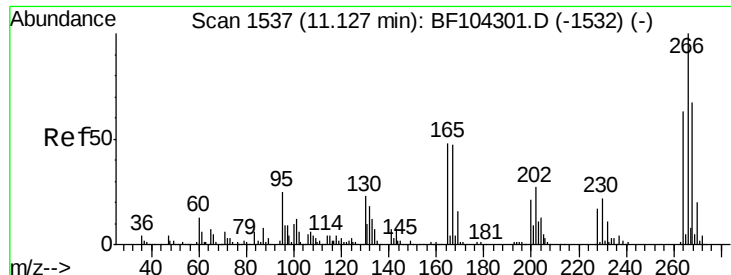
Sohil
4/19/2018 12:42:51 PM



#68
Atrazine
Concen: 39.453 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	186150		
173	28.9		8.6	48.6
215	43.6		25.1	65.1





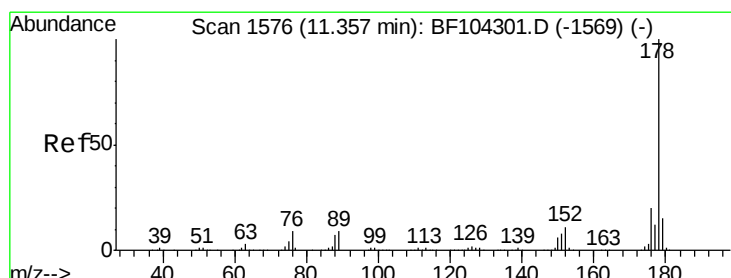
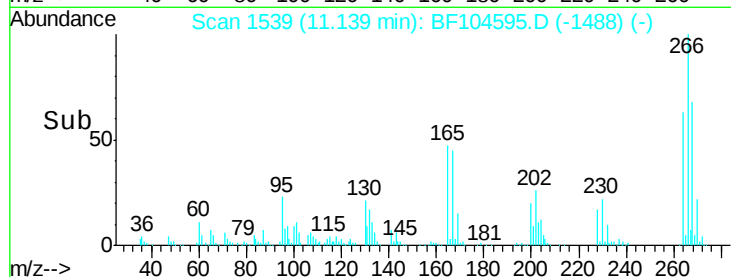
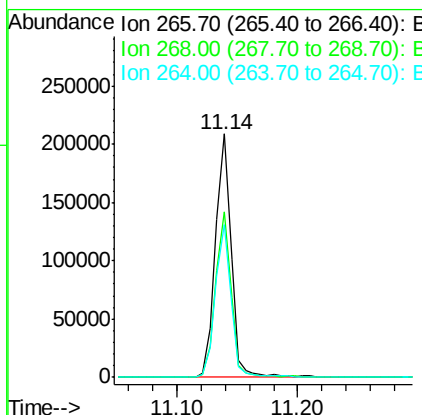
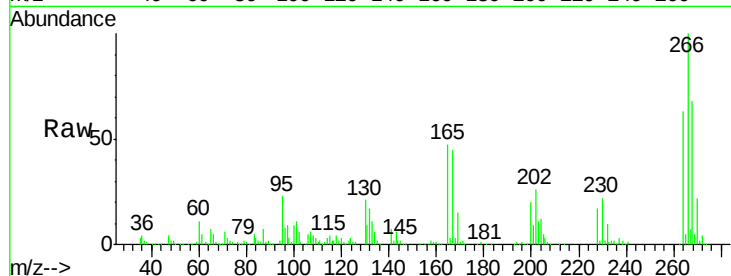
#69
 Pentachlorophenol
 Concen: 56.082 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.9	51.1	76.7
264	62.9	49.5	74.3

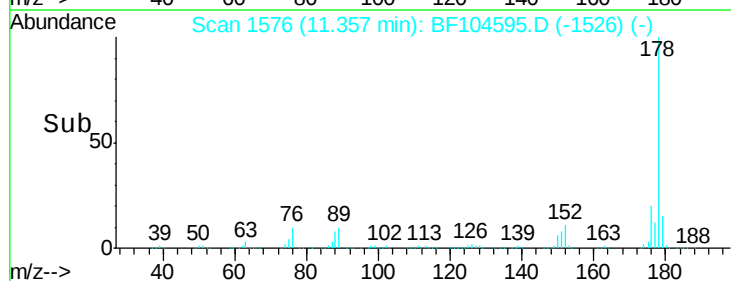
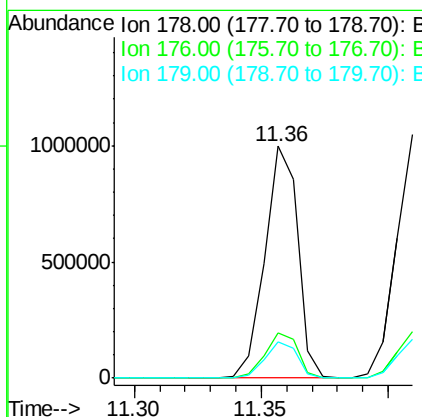
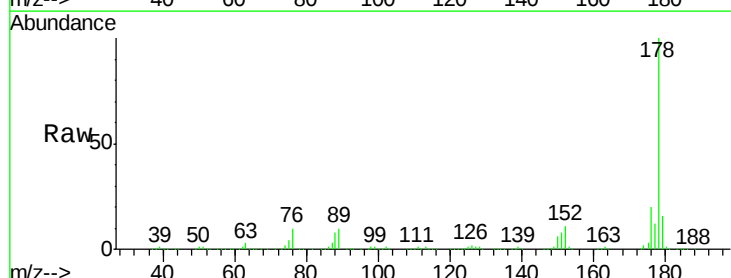
Manual Integrations
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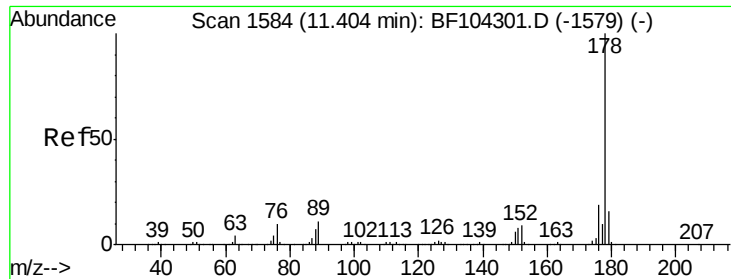
Sohil
 4/19/2018 12:42:51 PM



#70
 Phenanthrene
 Concen: 36.210 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6





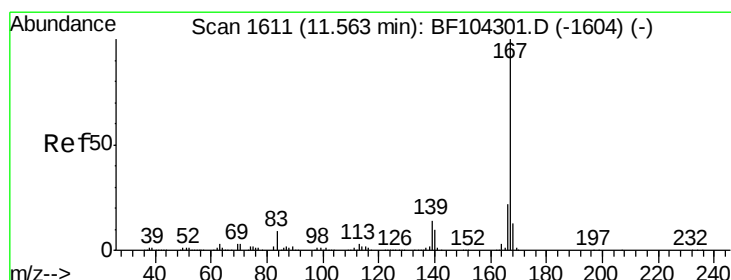
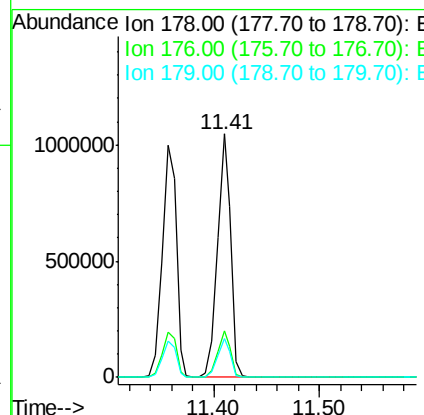
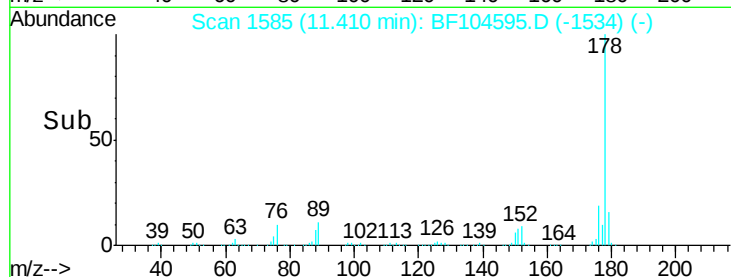
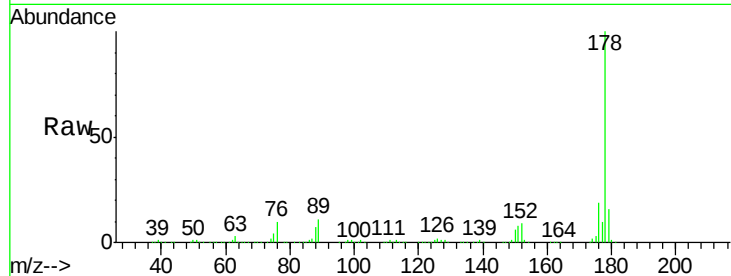
#71
 Anthracene
 Concen: 36.580 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		933539		
176	19.3	15.4	23.2		
179	15.8	12.6	19.0		

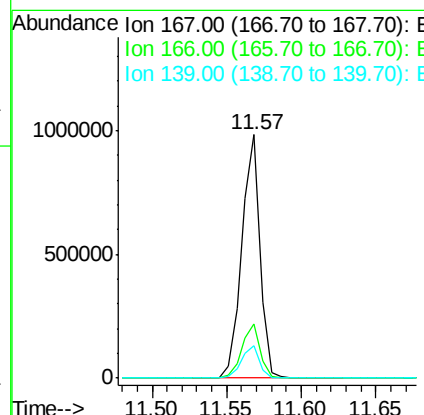
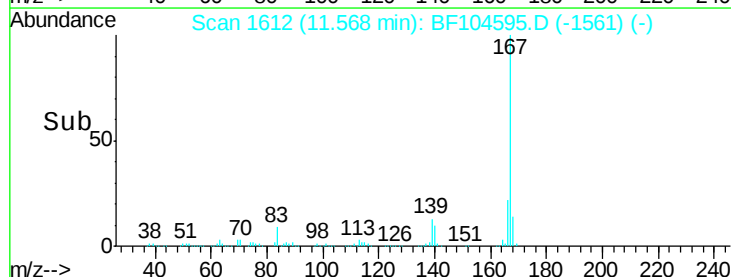
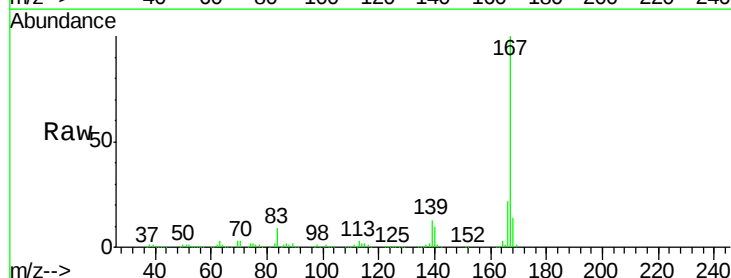
Manual Integrations
 APPROVED

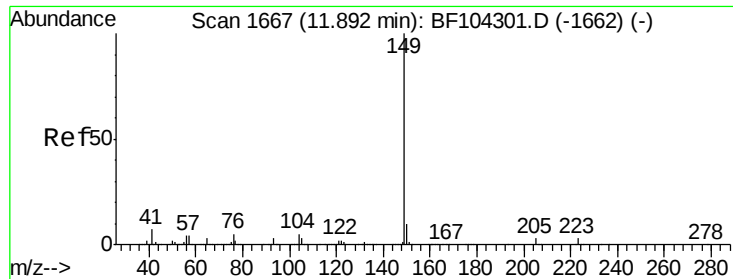
Sohil
 4/19/2018 12:42:51 PM



#72
 Carbazole
 Concen: 33.832 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100		843699		
166	22.5	17.6	26.4		
139	13.4	10.9	16.3		





#73

Di-n-butylphthalate

Concen: 34.993 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

ClientSampleId :

NAA-WS-006MS

Tot Ion:149 Resp: 1066002

Ion Ratio Lower Upper

149 100

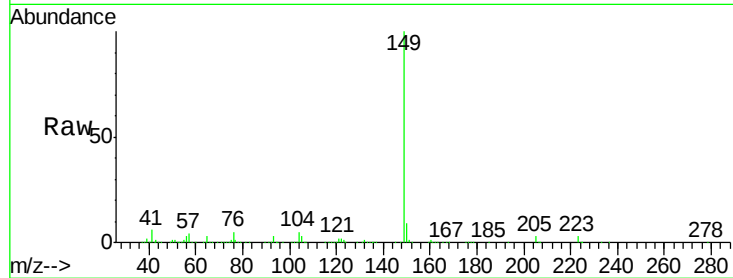
150 9.3 7.8 11.6

104 4.7 3.8 5.8

Manual Integrations
APPROVED

Sohil

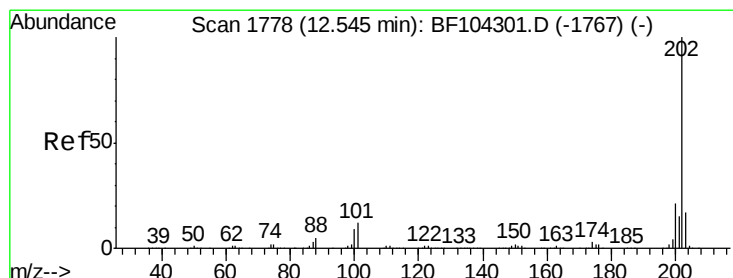
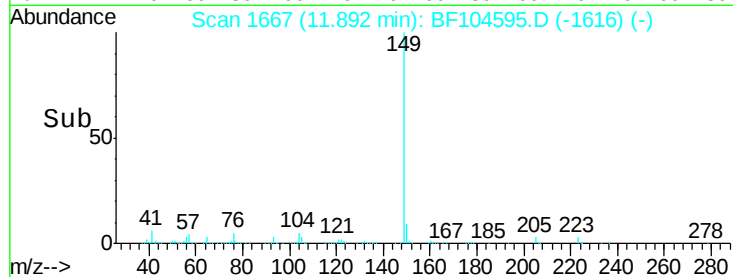
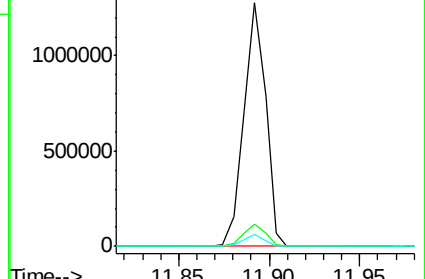
4/19/2018 12:42:51 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 34.297 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

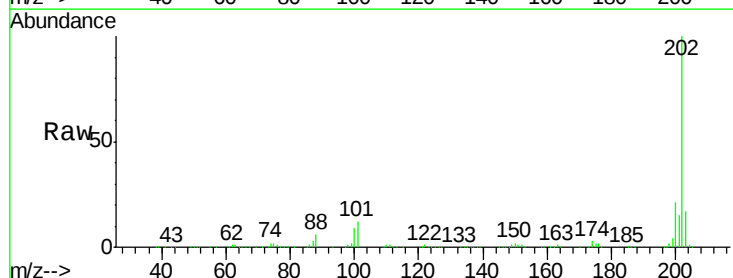
Tgt Ion:202 Resp: 899635

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

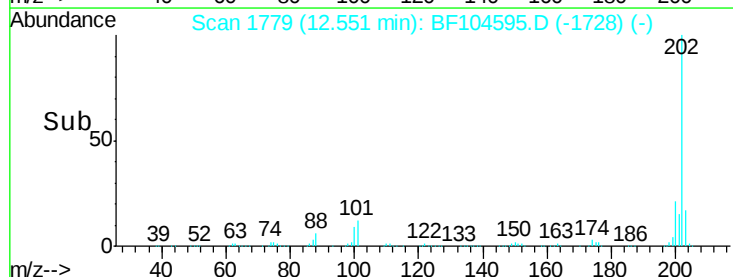
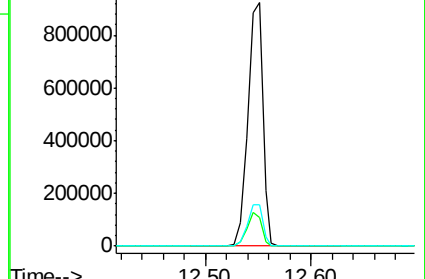
203 17.1 0.0 38.1

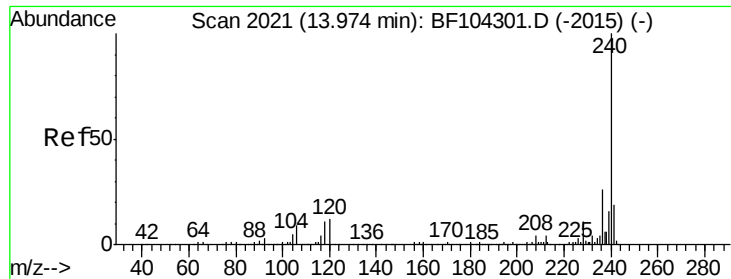


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Instrument :

BNA_F

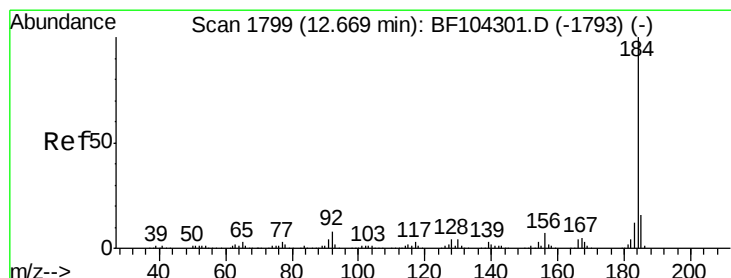
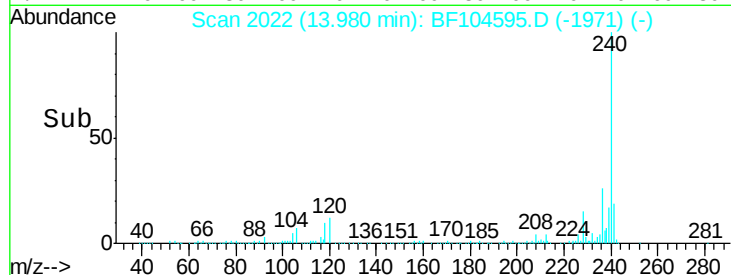
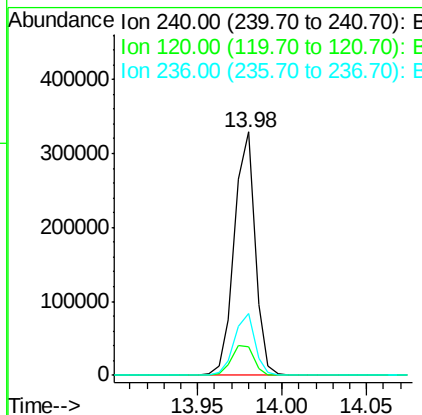
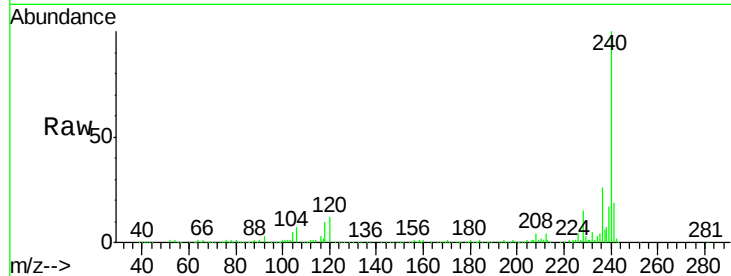
ClientSampleId :

NAA-WS-006MS

Tot Ion:	240	Resp:	282169
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	25.5	20.7	31.1

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#76

Benzidine

Concen: 25.831 ng

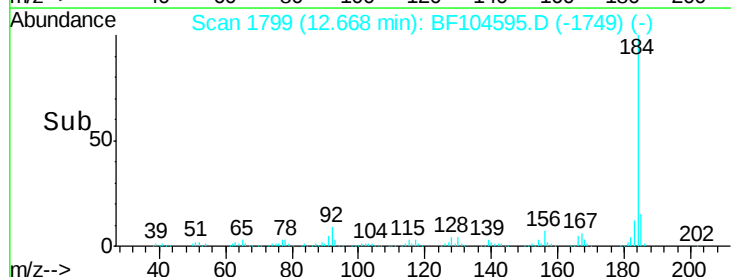
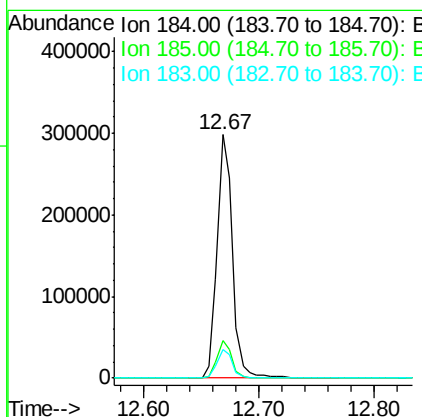
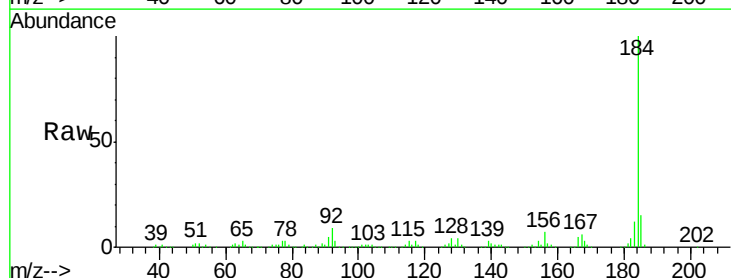
RT: 12.67 min Scan# 1799

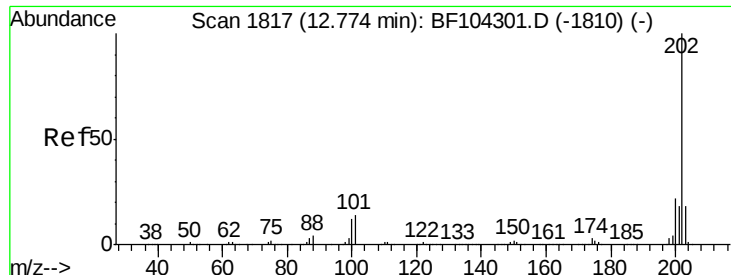
Delta R.T. -0.01 min

Lab File: BF104595.D

Acq: 18 Apr 2018 12:25

Tgt Ion:	184	Resp:	276601
Ion Ratio	Lower	Upper	
184	100		
185	15.5	12.6	18.8
183	11.6	9.3	13.9





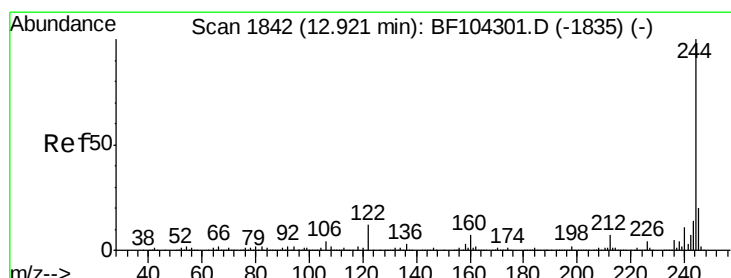
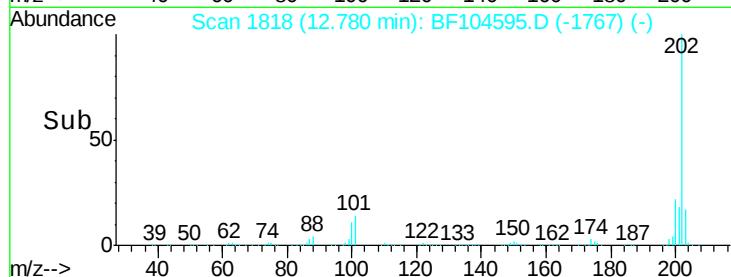
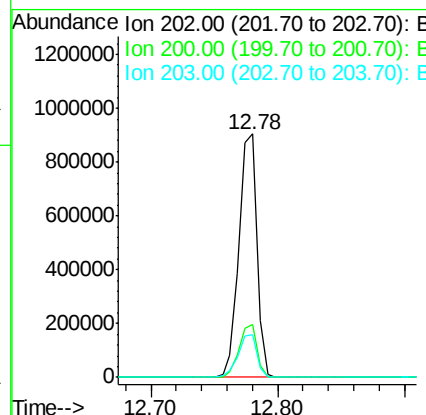
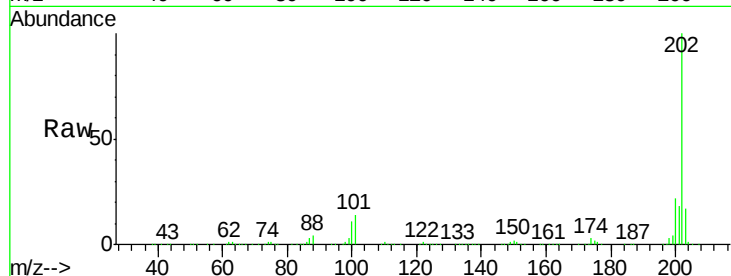
#77
Pvrene
Concen: 42.089 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.3	14.3	21.5

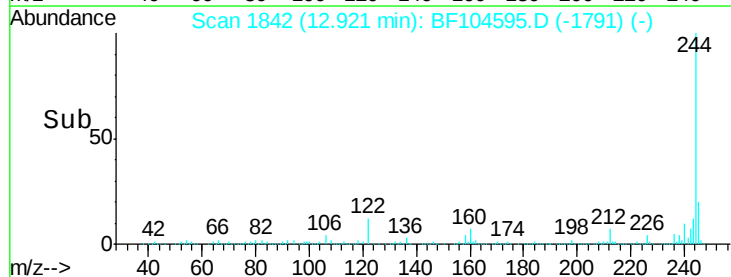
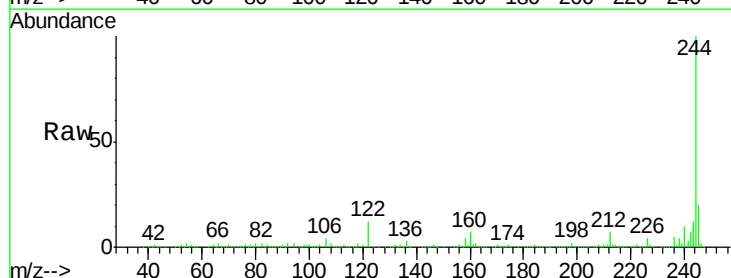
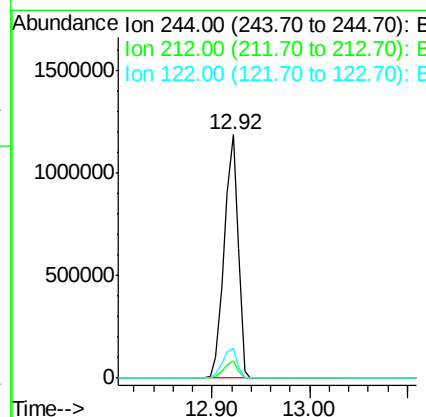
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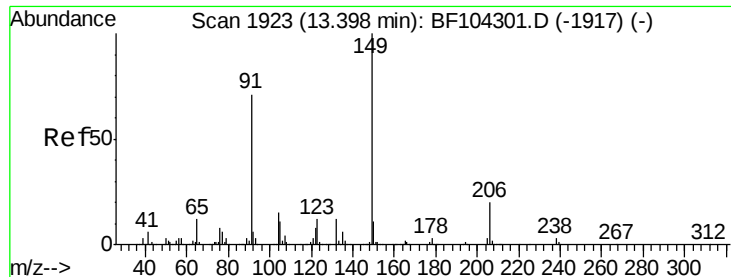
Sohil
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#78
Terphenyl-d14
Concen: 95.052 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.1	11.0	16.4





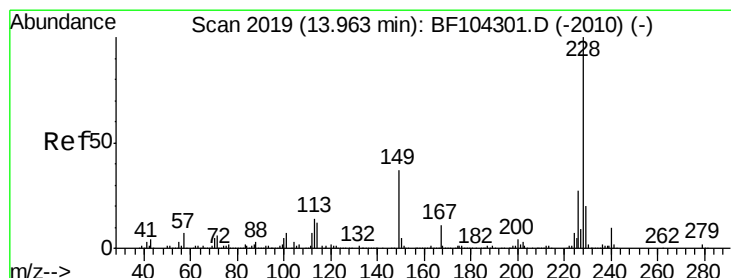
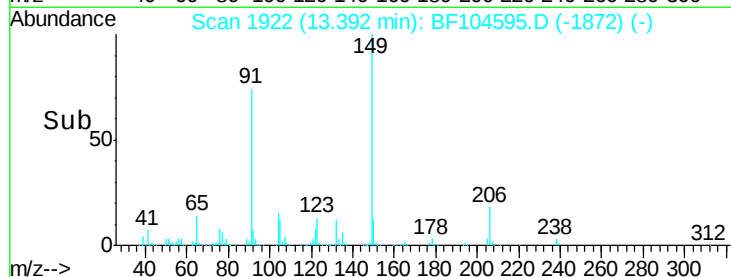
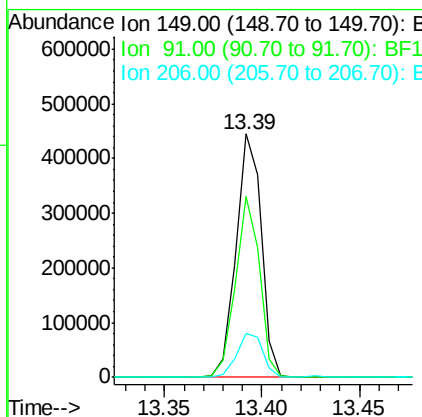
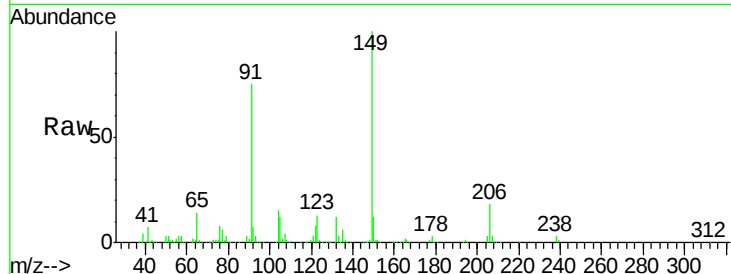
#79
Butylbenzylphthalate
Concen: 40.387 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.6	56.8	85.2
206	17.8	14.1	21.1

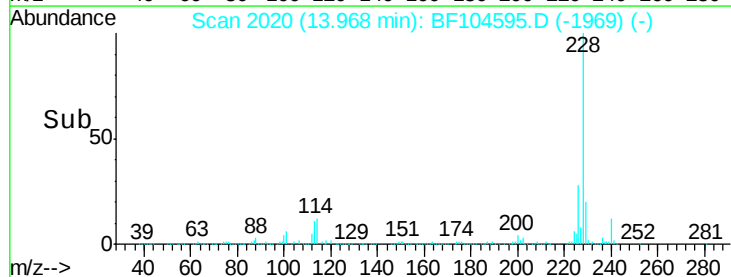
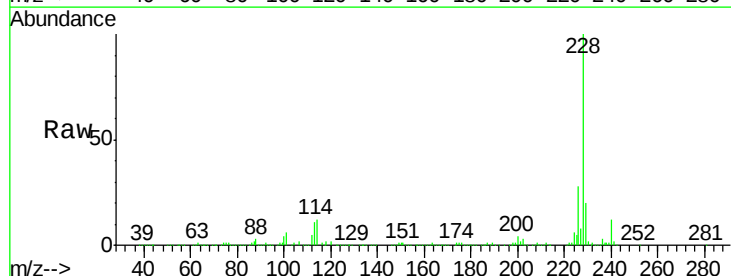
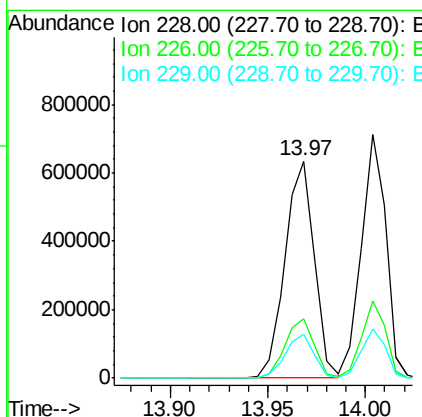
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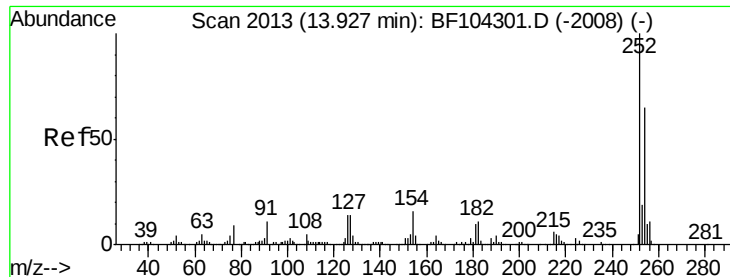
Sohil
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#80
Benzo(a)anthracene
Concen: 39.018 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.3	15.8	23.6





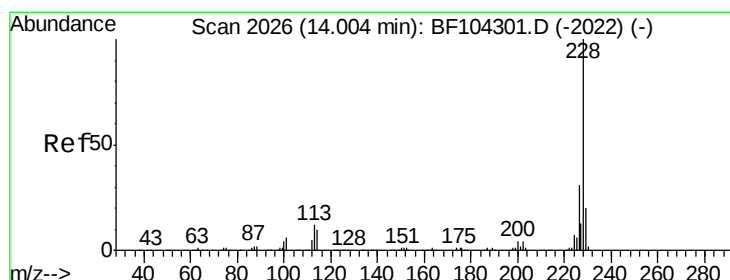
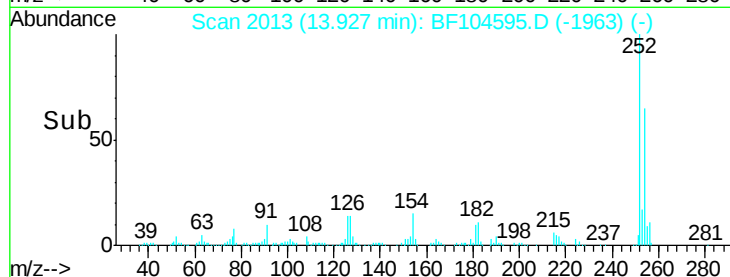
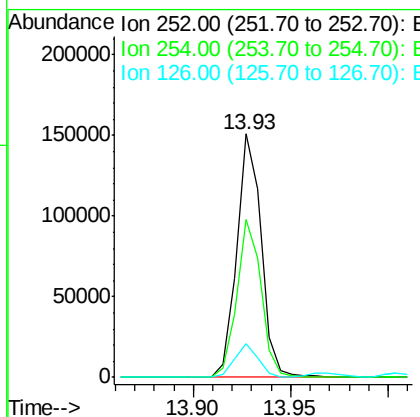
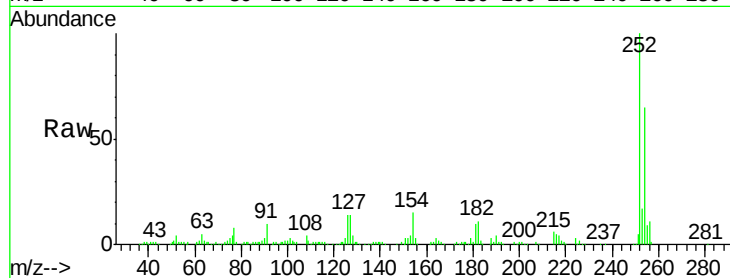
#81
 3,3'-Dichlorobenzidine
 Concen: 20.885 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	131269		
254	64.6	50.4	75.6	
126	13.8	11.3	16.9	

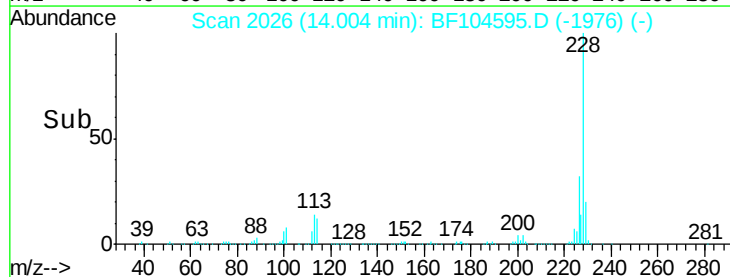
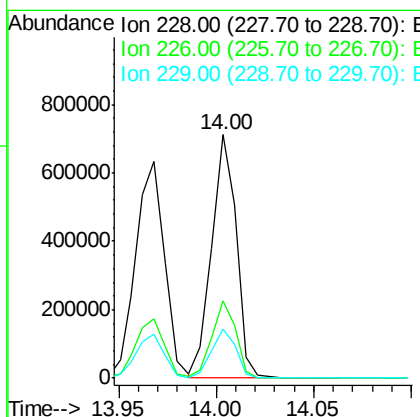
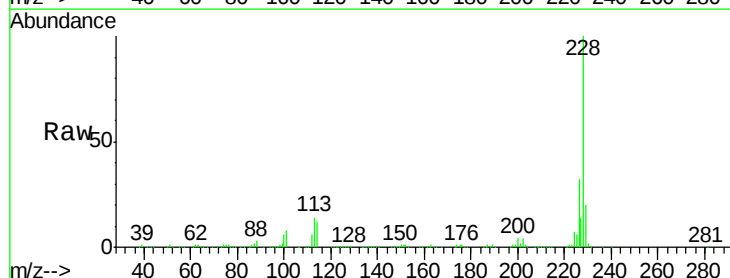
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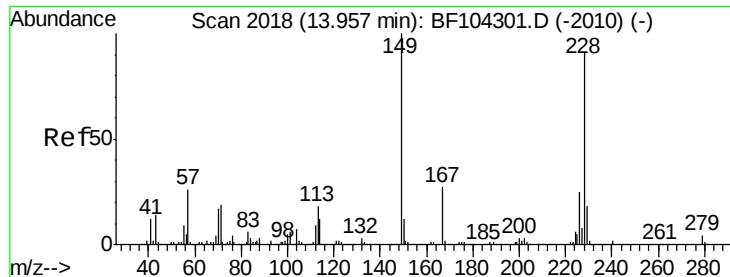
Sohil
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#82
 Chrysene
 Concen: 35.968 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	622776		
226	31.7	25.0	37.6	
229	20.2	16.2	24.4	





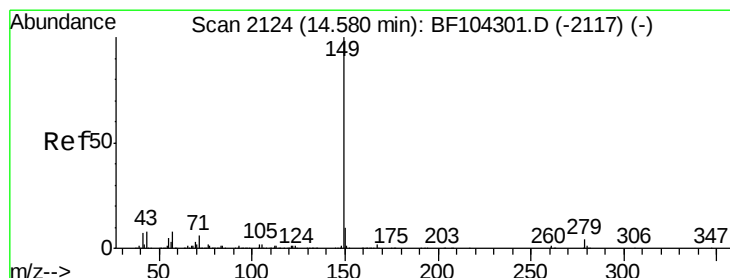
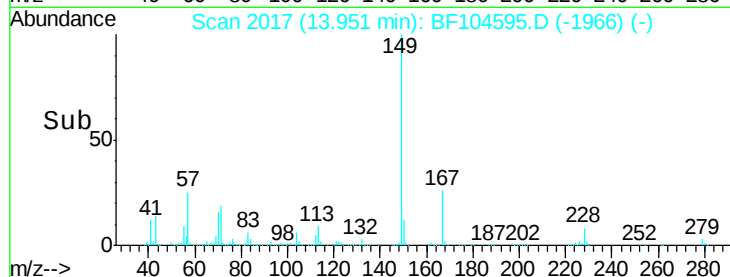
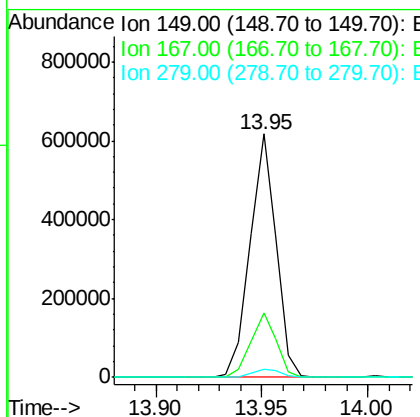
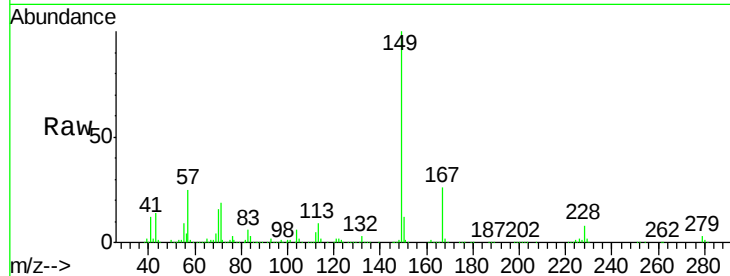
#83
Bis(2-ethylhexyl)phthalate
Concen: 41.877 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	530754		
167	26.3		21.3	31.9
279	3.2		3.0	4.4

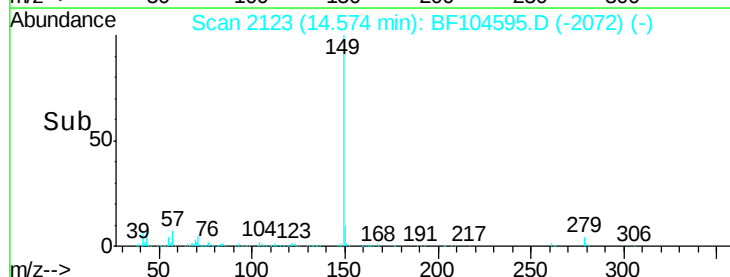
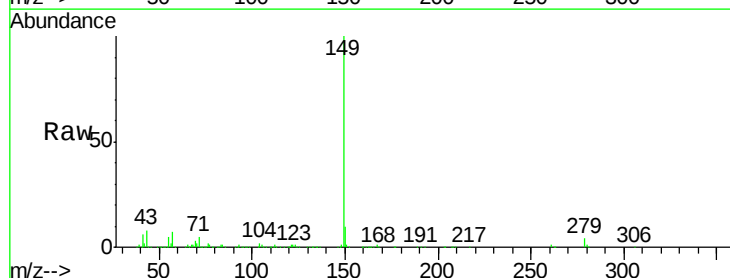
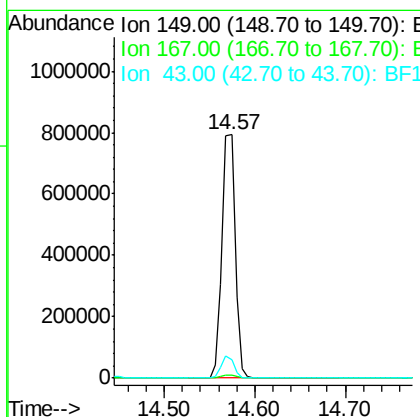
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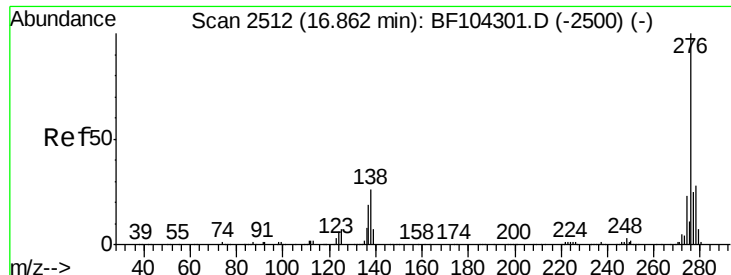
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#84
Di-n-octyl phthalate
Concen: 37.480 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	793725		
167	1.4		1.2	1.8
43	8.3		8.4	12.6#





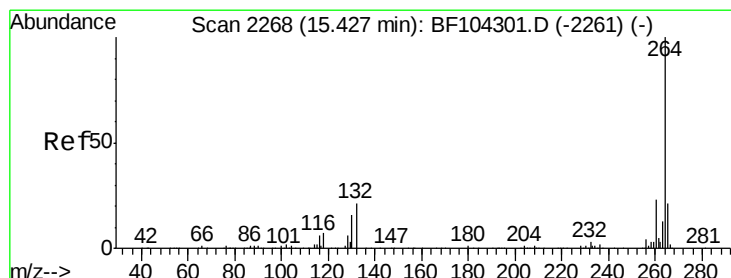
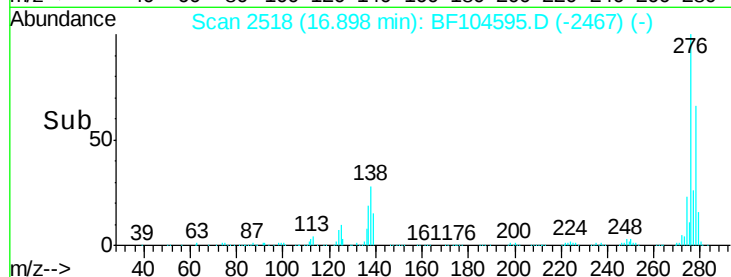
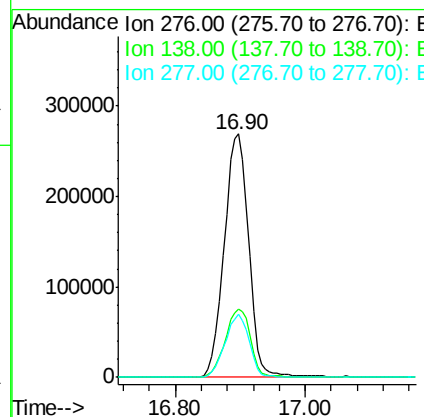
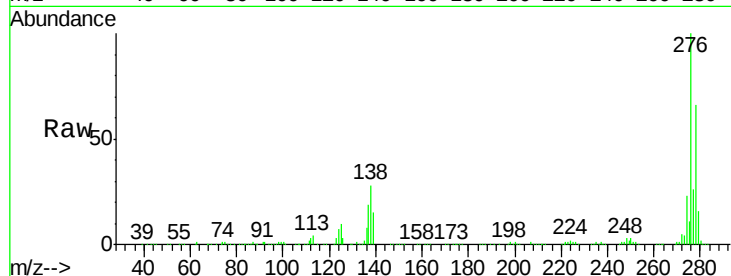
#85
Indeno(1,2,3-cd)pyrene
Concen: 47.815 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	25.7	20.1	30.1

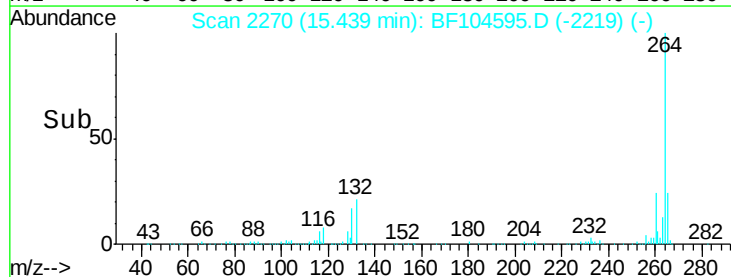
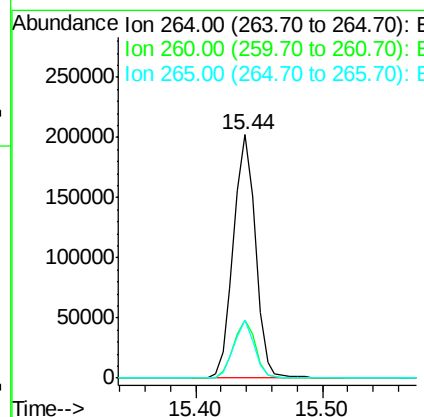
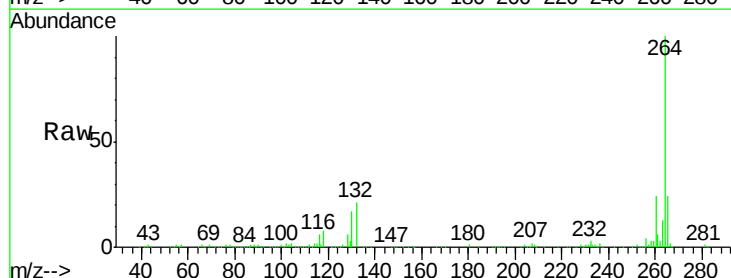
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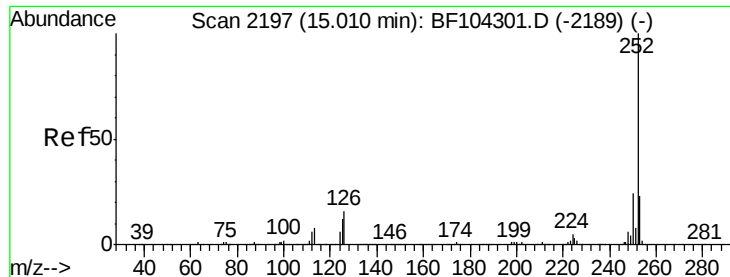
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.7	17.5	26.3





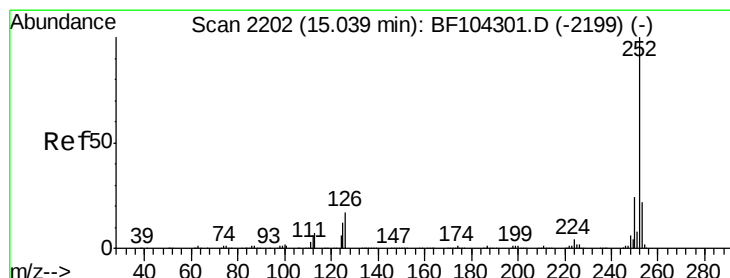
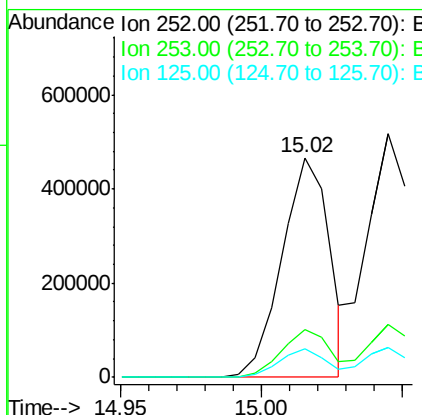
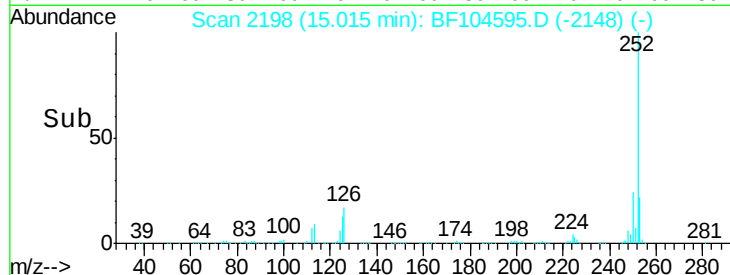
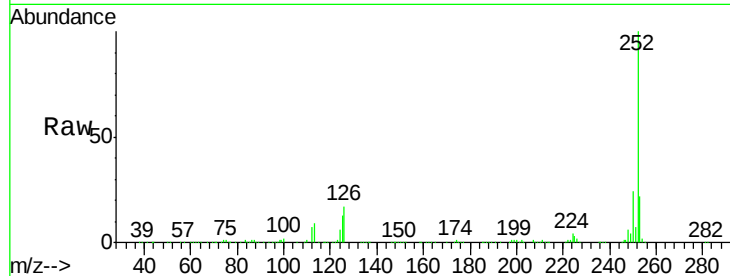
#87
Benzo(b)fluoranthene
Concen: 35.497 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.9	9.0	13.6

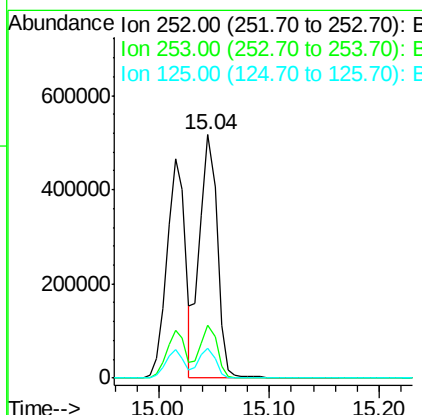
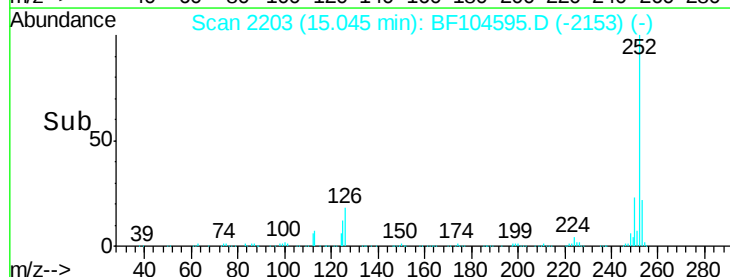
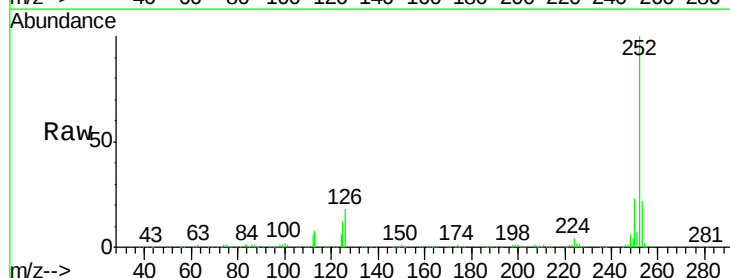
Manual Integrations
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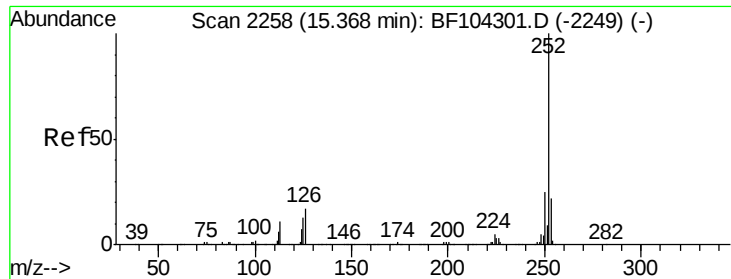
Sohil
4/19/2018 12:42:51 PM



#88
Benzo(k)fluoranthene
Concen: 38.530 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	12.1	10.2	15.2





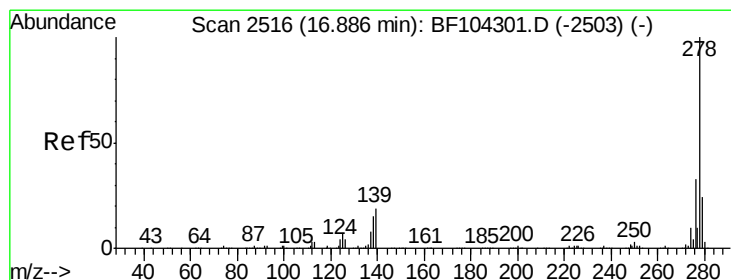
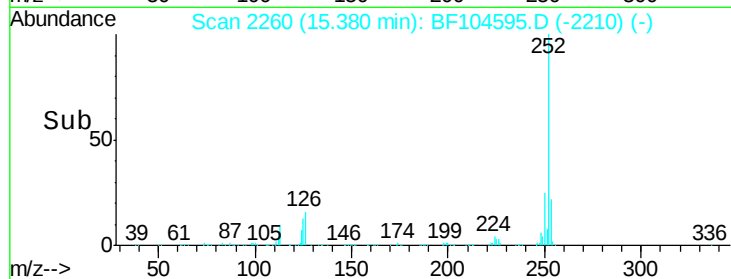
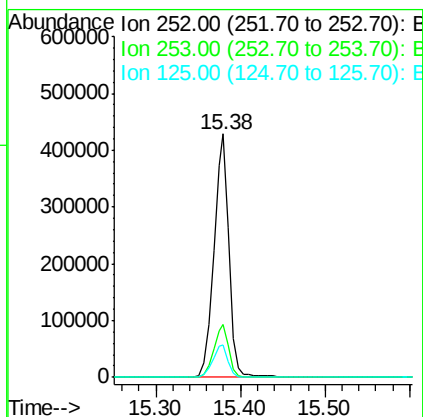
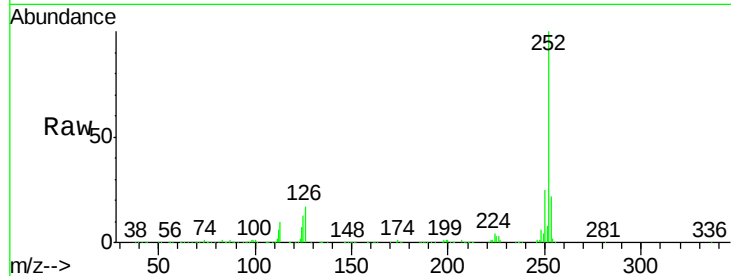
#89
Benzo(a)pyrene
Concen: 39.321 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Instrument :
BNA_F
ClientSampleId :
NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	13.3	9.8	14.6

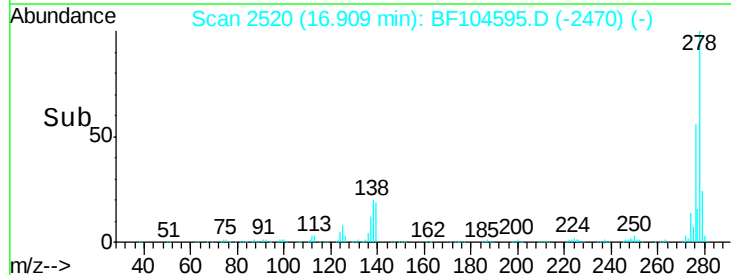
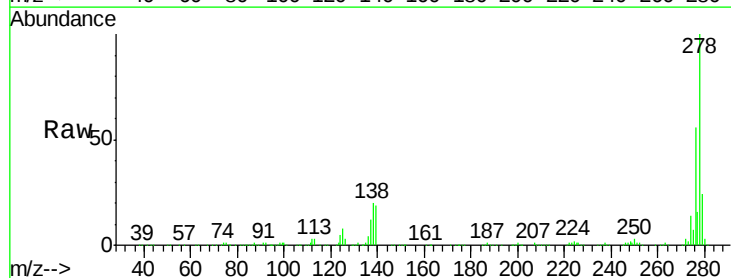
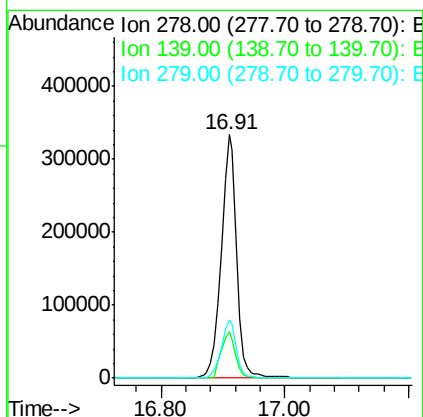
Manual Integrations
APPROVED

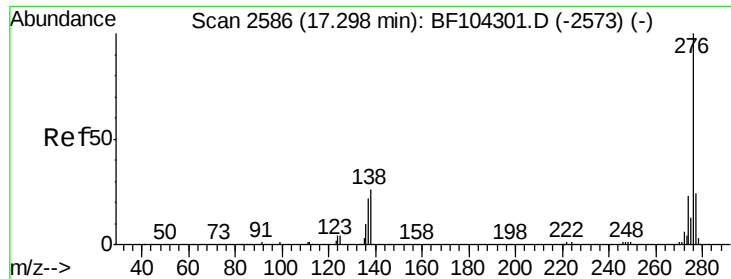
Sohil
4/19/2018 12:42:51 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.922 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104595.D
Acq: 18 Apr 2018 12:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.9	23.9
279	23.7	19.0	28.4





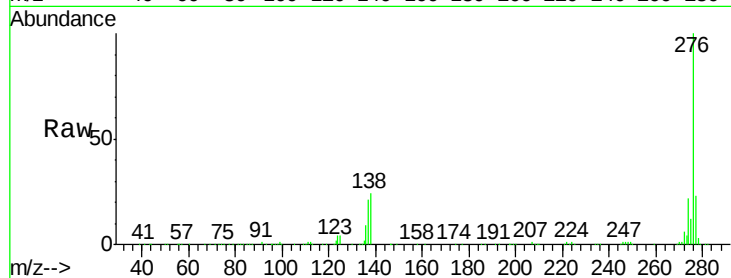
#91
 Benzo(a,h,i)perylene
 Concen: 55.699 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.00 min
 Lab File: BF104595.D
 Acq: 18 Apr 2018 12:25

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-006MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	23.6	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

