

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101619.D
 Acq On : 21 Dec 2017 20:47
 Operator : SJ/JU
 Sample : I6957-04MSD 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Manual Integrations
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Sohil
 12/22/2017 12:42:14 PM

Quant Time: Dec 22 12:44:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113197	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	401385	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	148731	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	256835	20.00	ng	0.00
75) Chrysene-d12	13.97	240	292935	20.00	ng	0.00
86) Perylene-d12	15.43	264	236862	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	63975	8.42	ng	0.02
7) Phenol-d6	6.45	99	78782	8.33	ng	0.01
23) Nitrobenzene-d5	7.37	82	46684	6.47	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	9237	6.45	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	81876	8.54	ng	0.00
78) Terphenyl-d14	12.90	244	75669	6.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	11136	2.852	ng	96
8) 2-Chlorophenol	6.59	128	20703	2.590	ng	91
10) Phenol	6.47	94	33000	3.061	ng	72
11) bis(2-Chloroethyl)ether	6.53	93	23104	2.732	ng	91
12) 1,3-Dichlorobenzene	6.74	146	24606	2.727	ng	99
13) 1,4-Dichlorobenzene	6.82	146	25936	2.815	ng	100
14) 1,2-Dichlorobenzene	6.97	146	23708	2.859	ng	99
15) Benzyl Alcohol	6.97	79	17056	2.620	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	40973	3.166	ng	69
17) 2-Methylphenol	7.07	107	17764	2.416	ng	# 77
19) n-Nitroso-di-n-propylamine	7.20	70	16005	2.577	ng	92
20) 3+4-Methylphenols	7.25	107	20801	2.669	ng	92
22) Acetophenone	7.22	105	34189	3.733	ng	# 92
24) Nitrobenzene	7.39	77	21635	2.711	ng	# 93
25) Isophorone	7.62	82	39630	2.740	ng	# 93
27) 2,4-Dimethylphenol	7.75	122	15867	2.724	ng	94
28) bis(2-Chloroethoxy)methane	7.83	93	26419	2.875	ng	98
29) 2,4-Dichlorophenol	7.99	162	13561	2.357	ng	95
30) 1,2,4-Trichlorobenzene	8.02	180	17392	2.864	ng	# 94
31) Naphthalene	8.10	128	60007	2.970	ng	98
34) Hexachlorobutadiene	8.20	225	10085	2.871	ng	95
36) 4-Chloro-3-methylphenol	8.66	107	14792	2.339	ng	94
37) 2-Methylnaphthalene	8.79	142	37147	2.822	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	15901	3.167	ng	95
42) 2,4,6-Trichlorophenol	9.09	196	7227	2.391	ng	# 85
43) 2,4,5-Trichlorophenol	9.16	196	7618	2.301	ng	# 90
45) 1,1'-Biphenyl	9.26	154	43911	3.329	ng	98
46) 2-Chloronaphthalene	9.29	162	30562	3.028	ng	96
47) 2-Nitroaniline	9.40	65	10205	2.927	ng	86
48) Acenaphthylene	9.70	152	45694	2.866	ng	97
49) Dimethylphthalate	9.55	163	48347	4.041	ng	99
50) 2,6-Dinitrotoluene	9.63	165	4949	2.035	ng	87
51) Acenaphthene	9.86	154	26020	2.717	ng	97
52) 3-Nitroaniline	9.82	138	7000	2.309	ng	# 92

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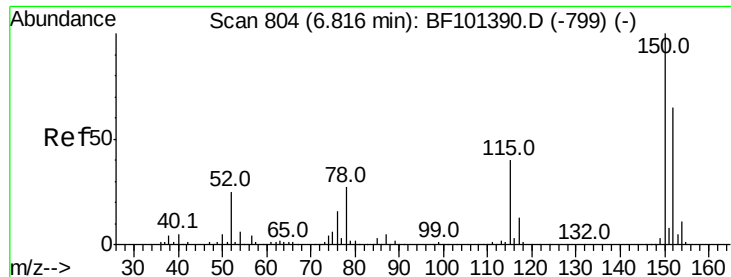
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) Dibenzofuran	10.04	168	39029	3.207	nq	99
57) Fluorene	10.38	166	29608	2.876	nq	99
59) Diethylphthalate	10.25	149	33893	2.861	nq	98
60) 4-Chlorophenyl-phenylether	10.37	204	15551	3.151	nq	91
61) 4-Nitroaniline	10.43	138	7056	2.316	nq	96
62) Azobenzene	10.53	77	43161	3.517	nq	89
65) n-Nitrosodiphenylamine	10.49	169	27204	2.869	nq	95
66) 4-Bromophenyl-phenylether	10.86	248	7923	2.745	nq #	89
67) Hexachlorobenzene	10.93	284	8011	2.623	nq	96
68) Atrazine	11.02	200	8043	2.844	nq	95
70) Phenanthrene	11.35	178	43381	3.037	nq	99
71) Anthracene	11.40	178	41788	2.864	nq	97
72) Carbazole	11.57	167	39560	2.896	nq	99
73) Di-n-butylphthalate	11.87	149	54970	3.316	nq	98
74) Fluoranthene	12.54	202	49365	3.293	nq	99
77) Pyrene	12.77	202	50979	2.319	nq	99
79) Butylbenzylphthalate	13.37	149	25120	2.525	nq	93
80) Benzo(a)anthracene	13.96	228	39297	2.032	nq	97
81) 3,3'-Dichlorobenzidine	13.92	252	15421	2.445	nq	99
82) Chrysene	14.00	228	37954	2.078	nq	97
83) Bis(2-ethylhexyl)phthalate	13.92	149	38775	3.077	nq #	100
84) Di-n-octyl phthalate	14.53	149	65224	2.903	nq #	95

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



#1

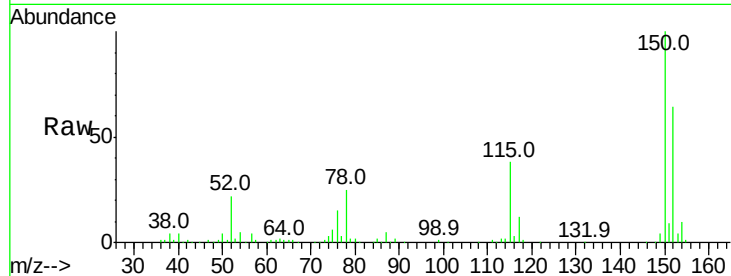
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

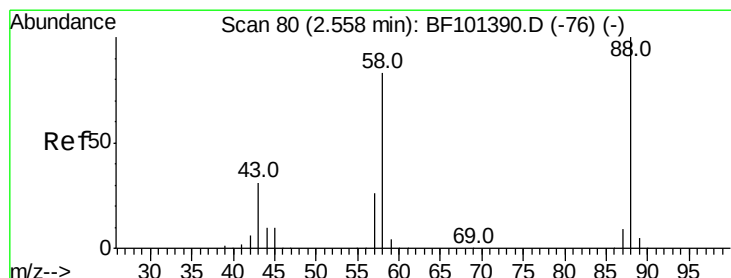
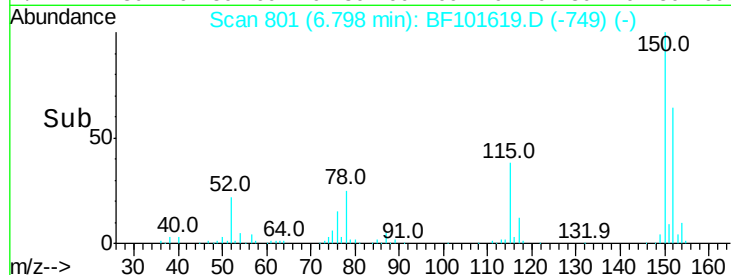
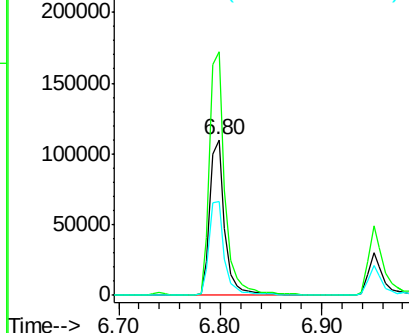
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	60.1	50.1	75.1

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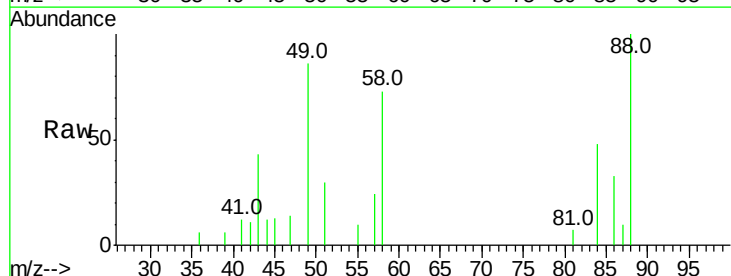
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



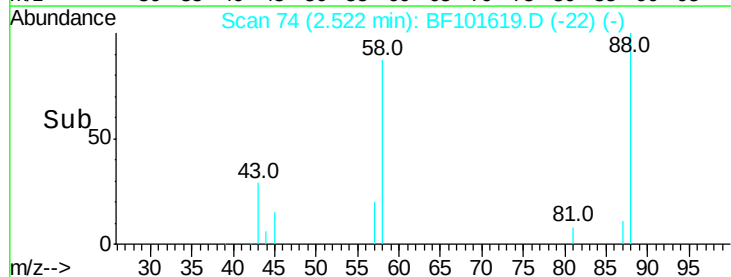
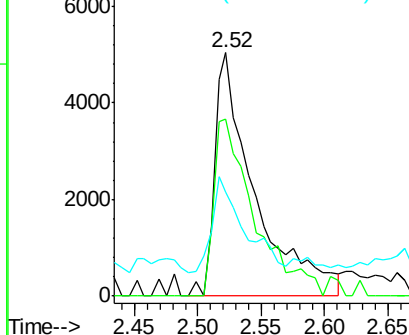
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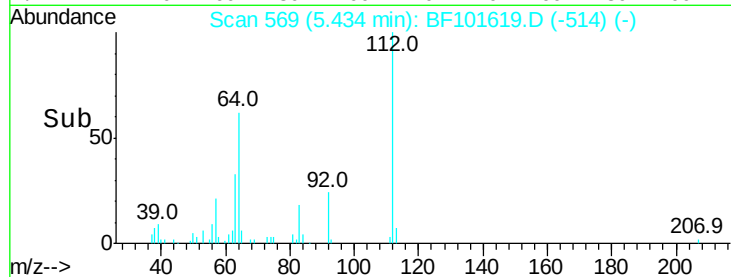
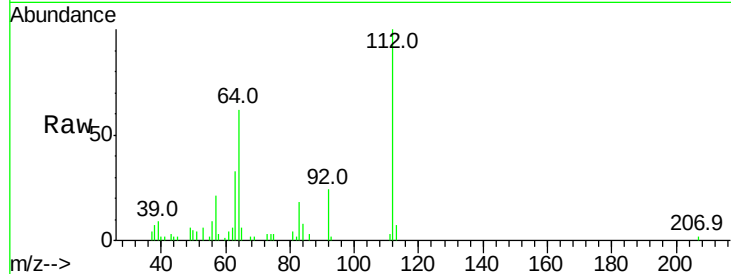
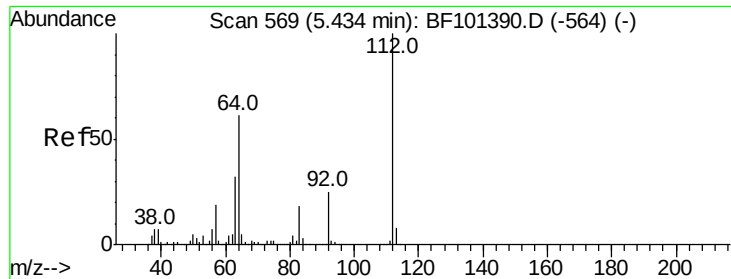
1,4-Dioxane
Concen: 2.852 ng
RT: 2.52 min Scan# 74
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	62.6	93.8
43	31.8	24.6	37.0



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





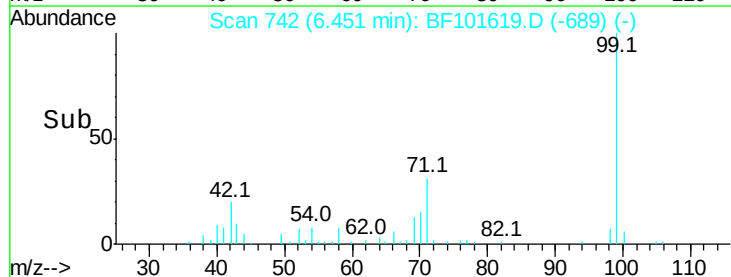
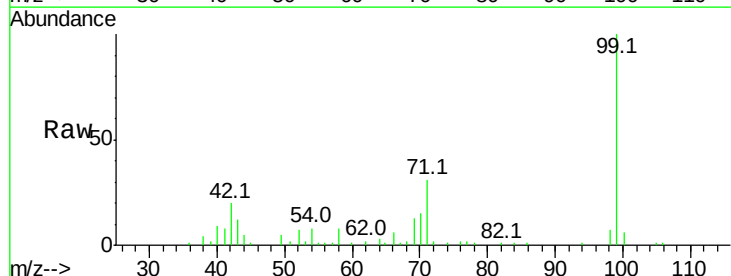
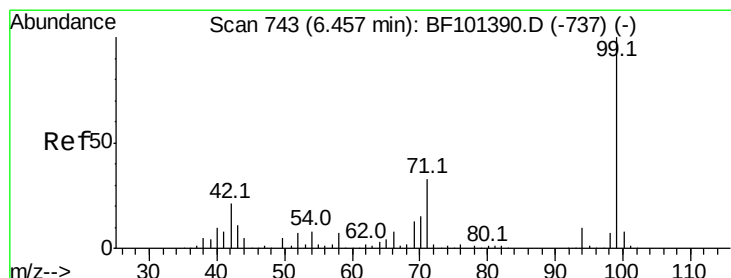
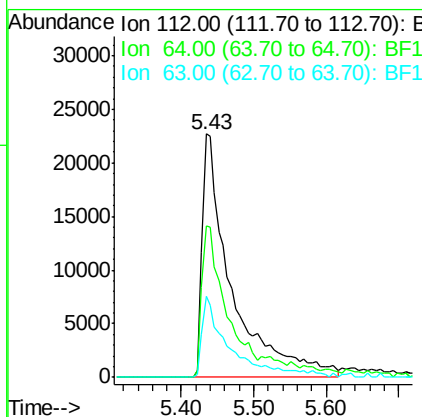
#5
2-Fluorophenol
Concen: 8.419 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tot Ion	Ratio	Resp	Lower	Upper
112	100	63975		
64	62.3	47.9	71.9	
63	33.4	23.7	35.5	

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HALSTED-WWMSD

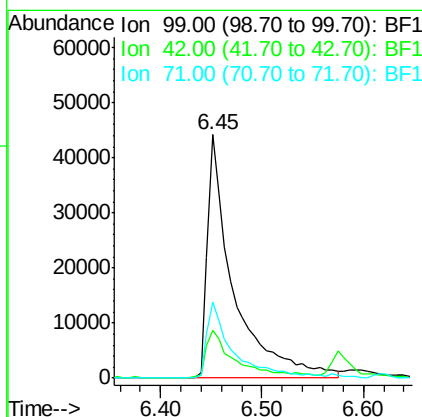
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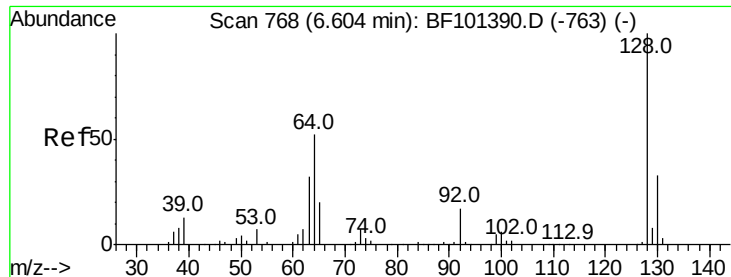
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#7
Phenol-d6
Concen: 8.330 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	78782		
42	19.5	14.5	21.7	
71	31.2	25.4	38.0	





#8

2-Chlorophenol

Concen: 2.590 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

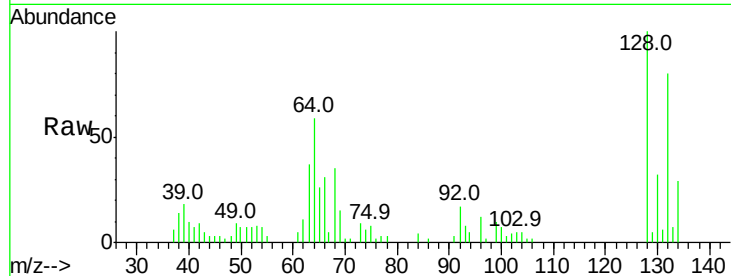
ClientSampleId :

HALSTED-WWMSD

Tot Ion:	128	Resp:	20703
Ion Ratio	Lower	Upper	
128	100		
130	31.7	13.0	53.0
64	59.1	29.4	69.4

Manual Integrations
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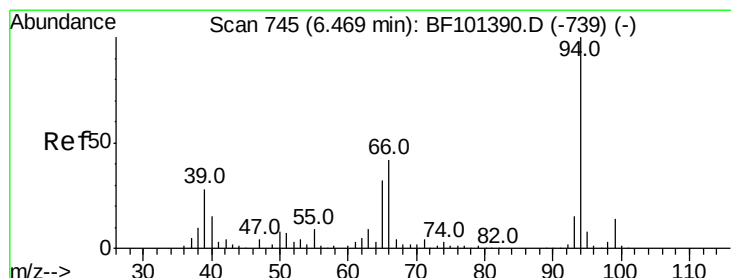
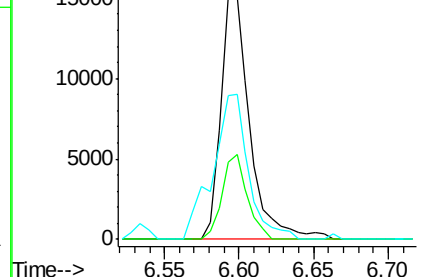
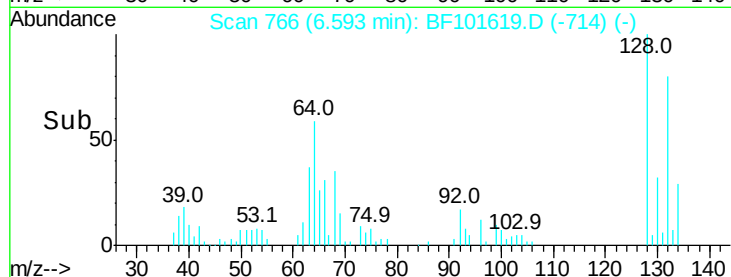
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#10

Phenol

Concen: 3.061 ng

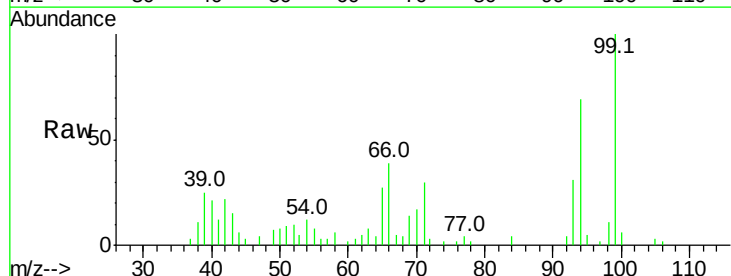
RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

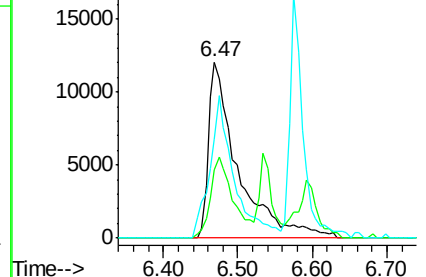
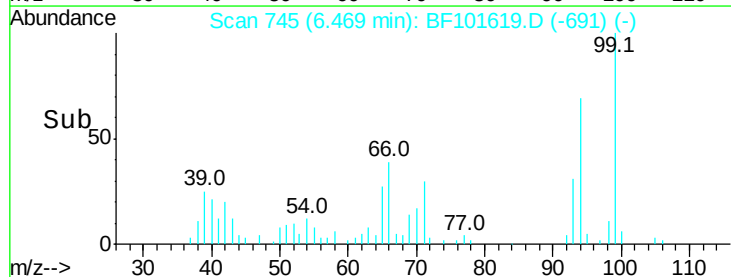
Tgt Ion:	94	Resp:	33000
Ion Ratio	Lower	Upper	
94	100		
65	38.9	7.9	47.9
66	55.9	16.2	56.2

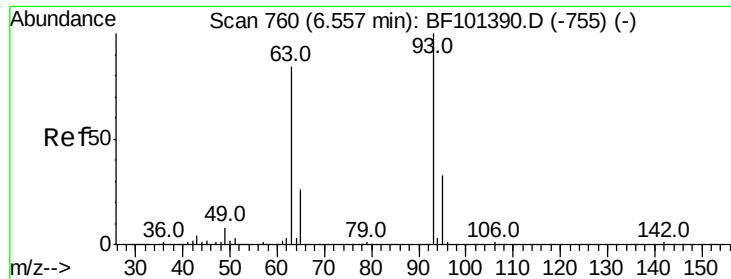


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





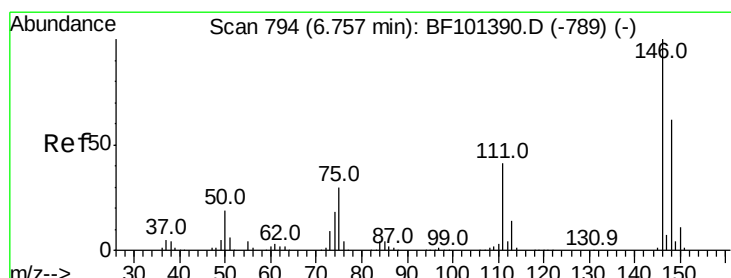
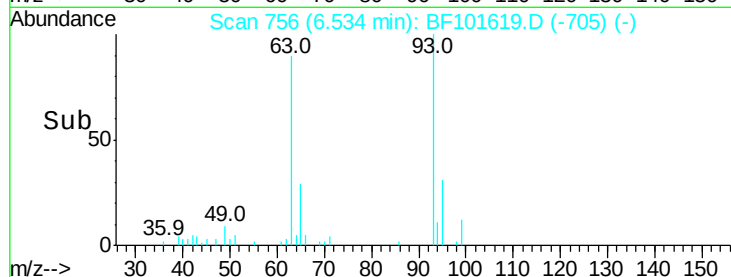
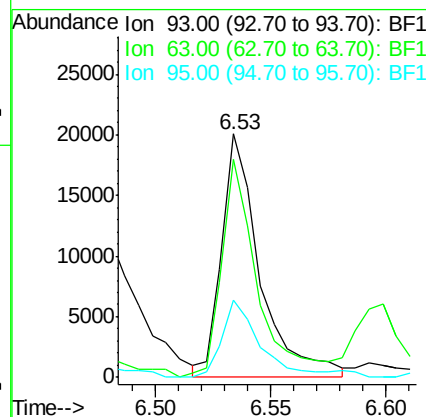
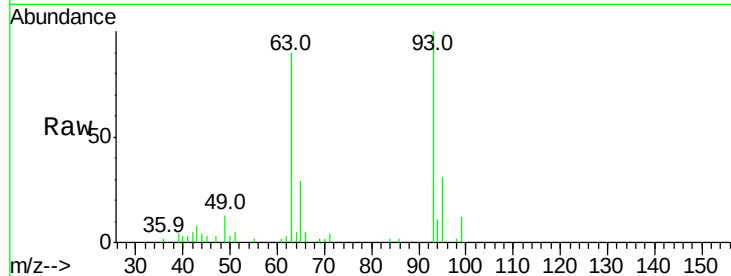
#11
bis(2-Chloroethyl)ether
Concen: 2.732 ng
RT: 6.53 min Scan# 756
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

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Tot Ion:	93	Resp:	23104
Ion Ratio	Lower	Upper	
93	100		
63	89.6	58.6	98.6
95	31.5	11.8	51.8

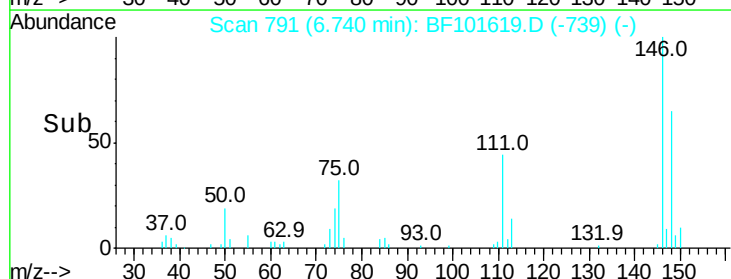
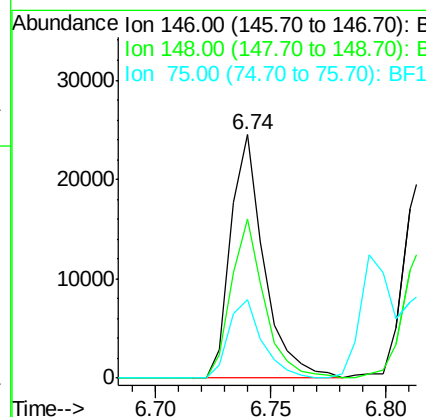
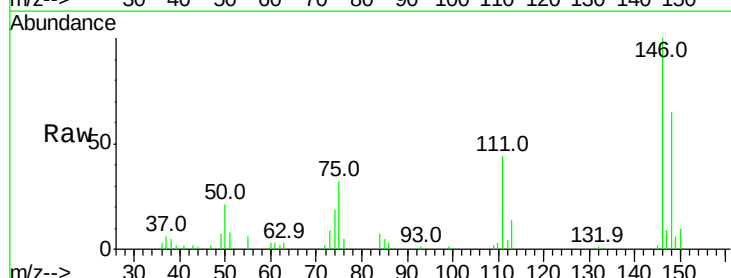
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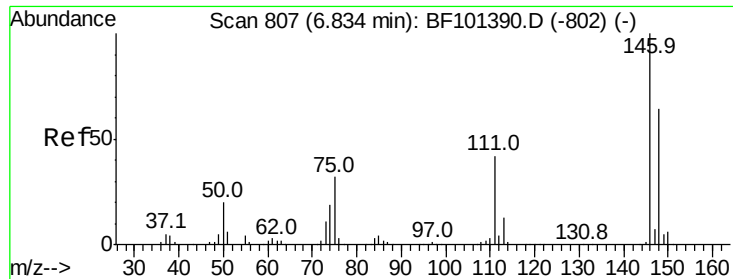
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#12
1,3-Dichlorobenzene
Concen: 2.727 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion:	146	Resp:	24606
Ion Ratio	Lower	Upper	
146	100		
148	65.2	51.8	77.8
75	32.1	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 2.815 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

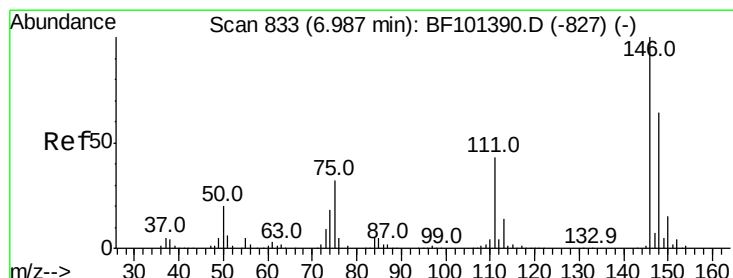
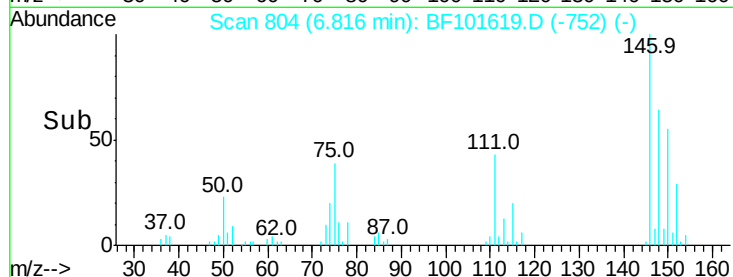
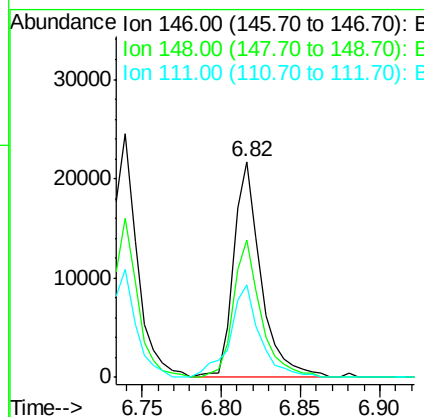
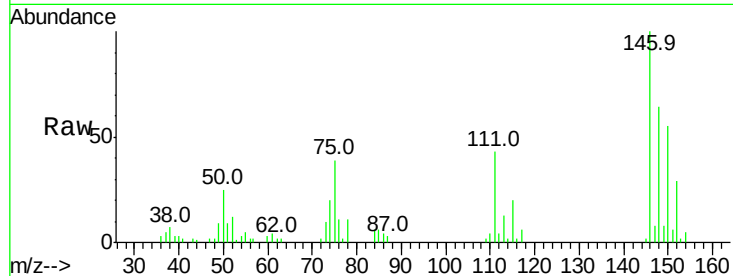
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Tot Ion:	146	Resp:	25936
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.8	76.2
111	42.6	34.2	51.2

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#14

1,2-Dichlorobenzene

Concen: 2.859 ng

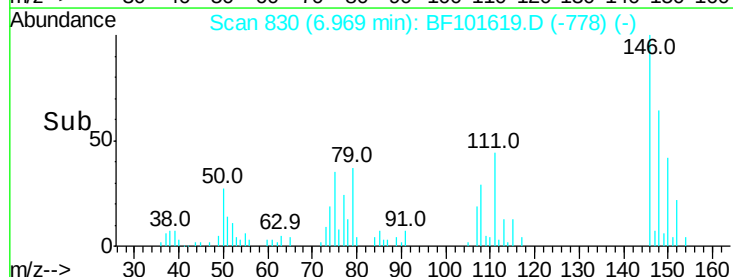
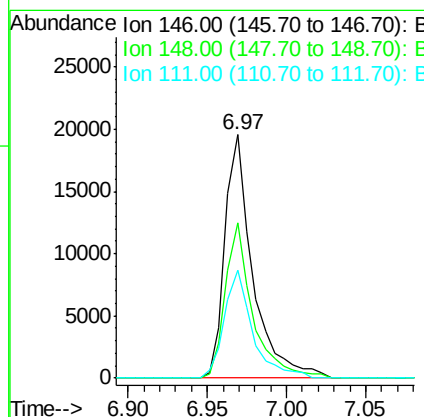
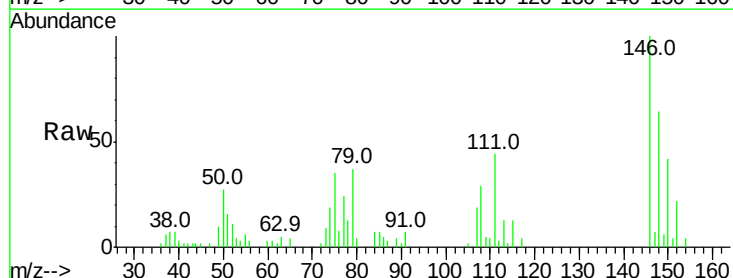
RT: 6.97 min Scan# 830

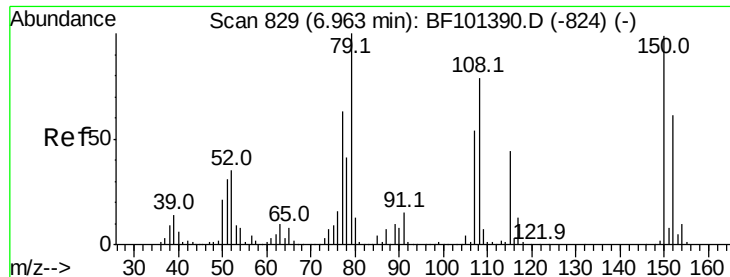
Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion:	146	Resp:	23708
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.6	75.8
111	44.5	36.0	54.0





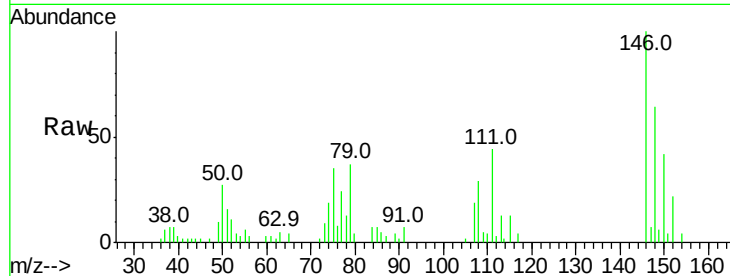
#15
Benzyl Alcohol
Concen: 2.620 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.02 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

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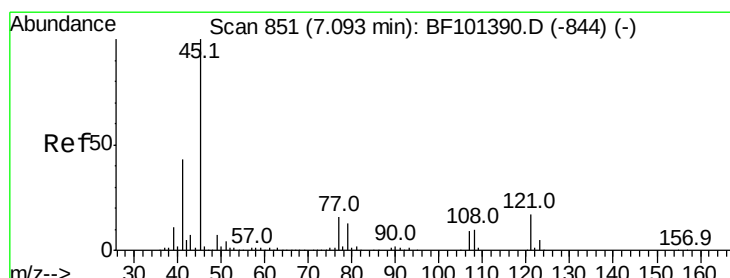
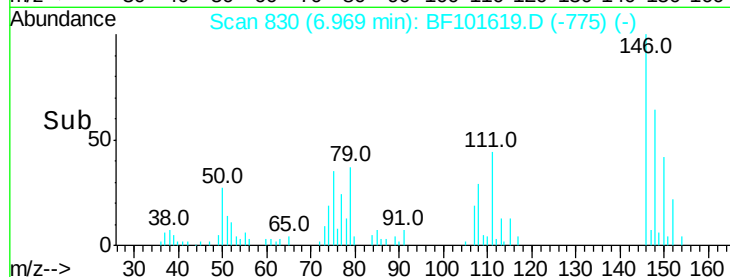
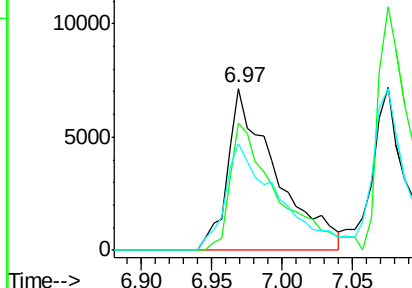
Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		17056		
108	78.3	65.1	97.7		
77	65.7	50.6	75.8		

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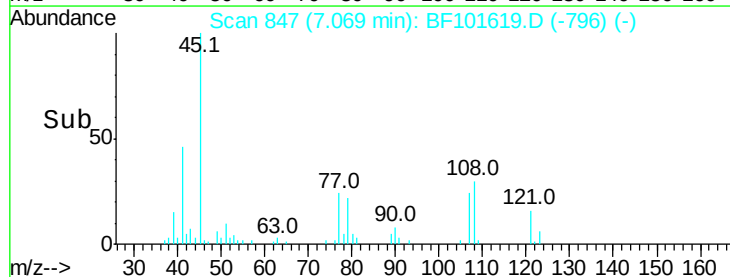
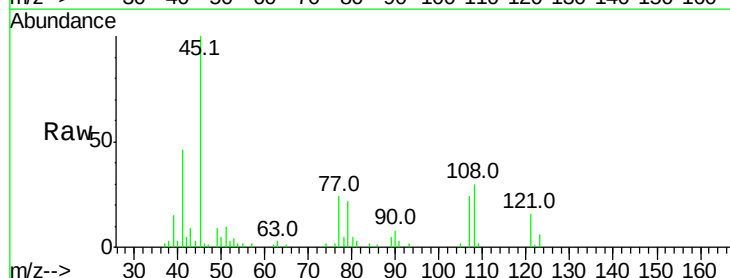
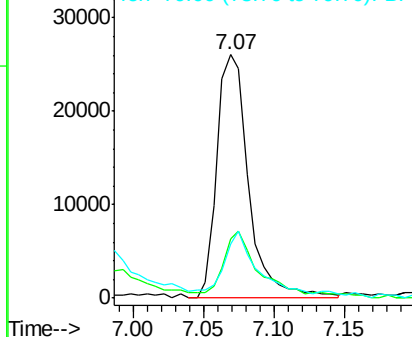
Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

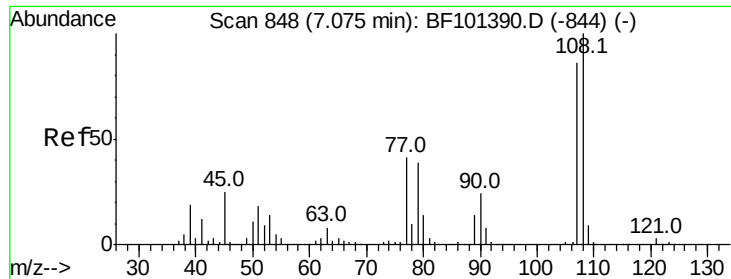


#16
2,2'-oxybis(1-chloropropane)
Concen: 3.166 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		40973		
77	24.2	0.0	32.9		
79	22.4	0.0	29.6		

Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





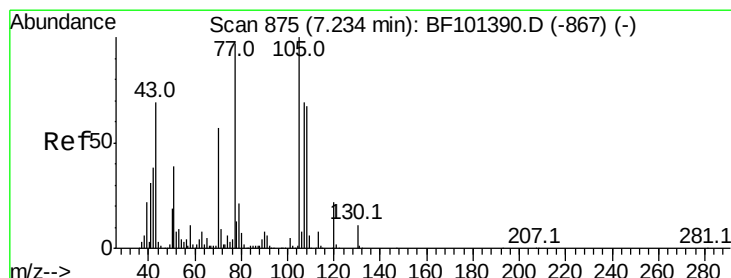
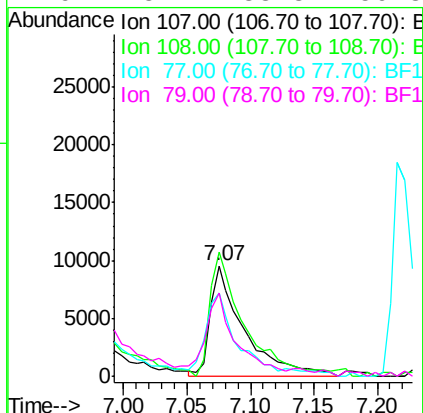
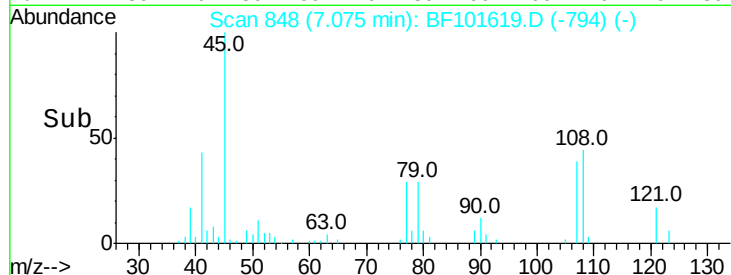
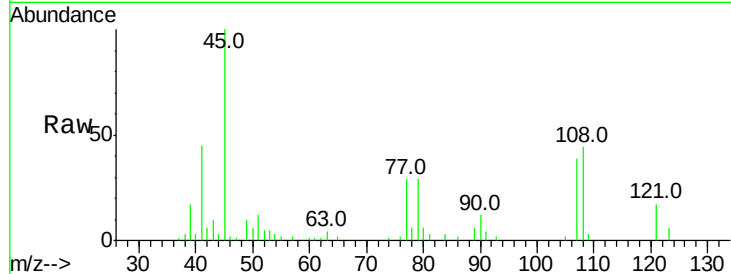
#17
2-Methylphenol
Concen: 2.416 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.02 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion:	107	Resp:	17764
Ion	Ratio	Lower	Upper
107	100		
108	112.4	91.7	137.5
77	74.7	33.8	50.8#
79	75.1	33.8	50.8#

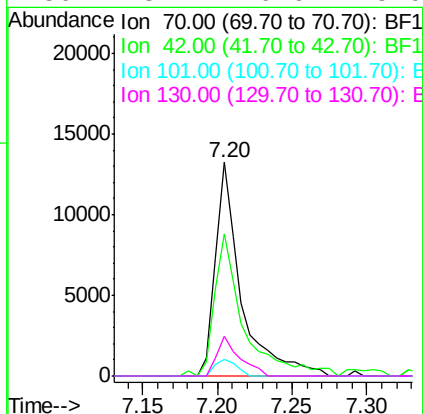
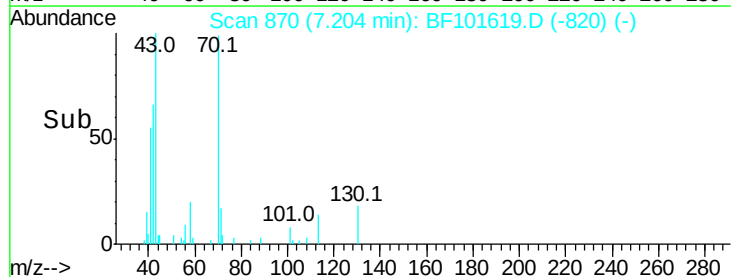
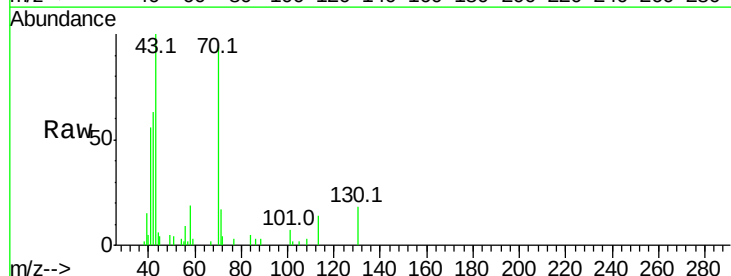
Manual Integrations
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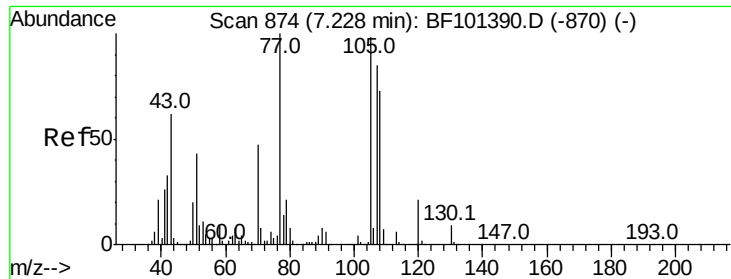
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#19
n-Nitroso-di-n-propylamine
Concen: 2.577 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion:	70	Resp:	16005
Ion	Ratio	Lower	Upper
70	100		
42	66.5	47.5	71.3
101	7.7	7.4	11.2
130	18.7	16.6	25.0





#20

3+4-Methylphenols

Concen: 2.669 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.03 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

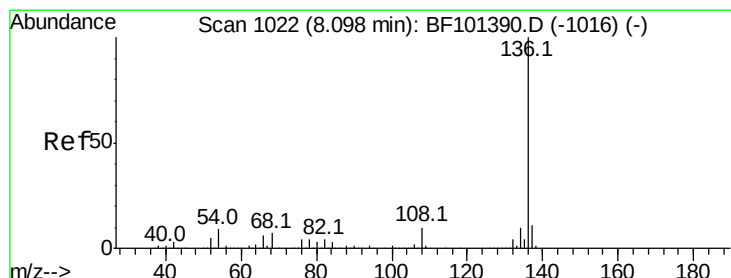
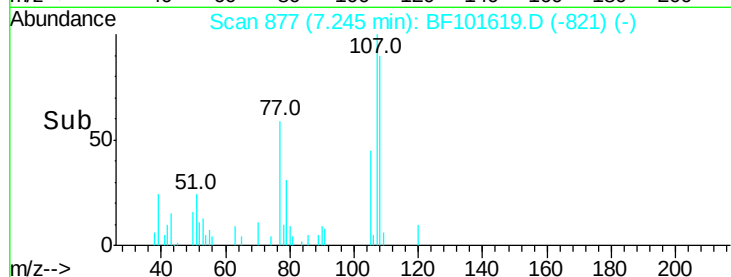
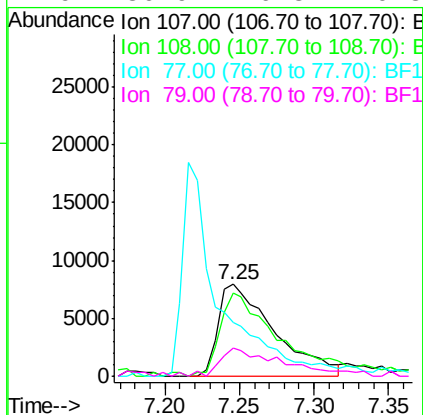
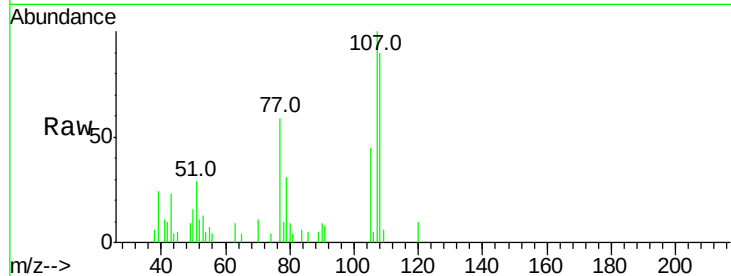
ClientSampleId :

HALSTED-WWMSD

Tot Ion	107	Resp	20801
Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.2	108.2
77	58.7	26.7	66.7
79	30.9	6.3	46.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

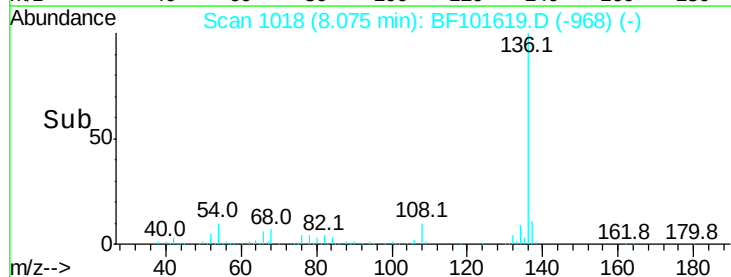
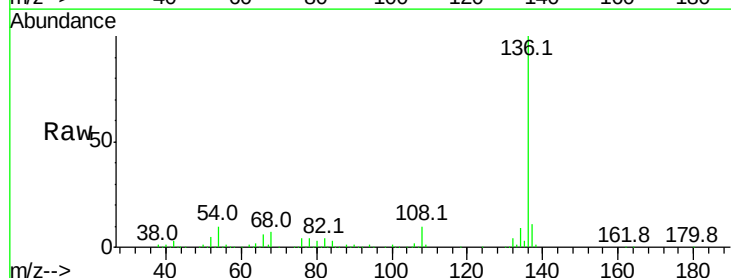
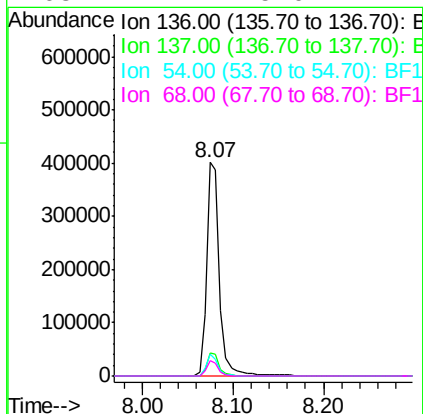
RT: 8.07 min Scan# 1018

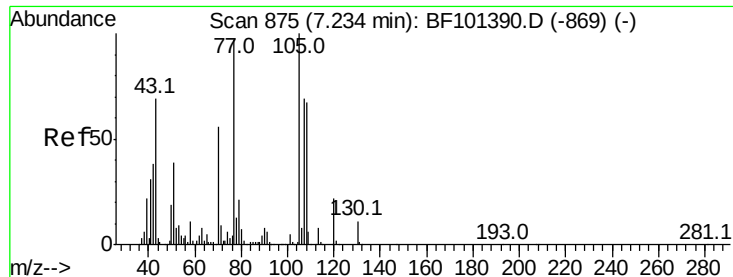
Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion	136	Resp	401385
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.1	6.6	9.8#
68	7.1	5.0	7.4





#22

Acetophenone

Concen: 3.733 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

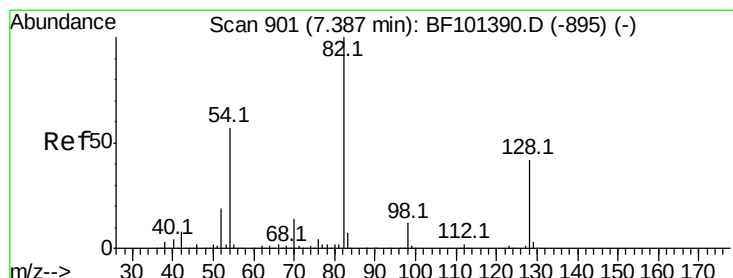
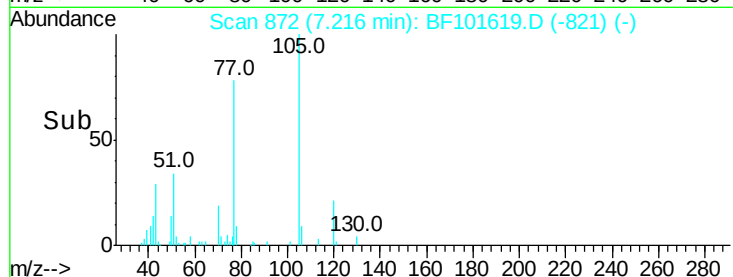
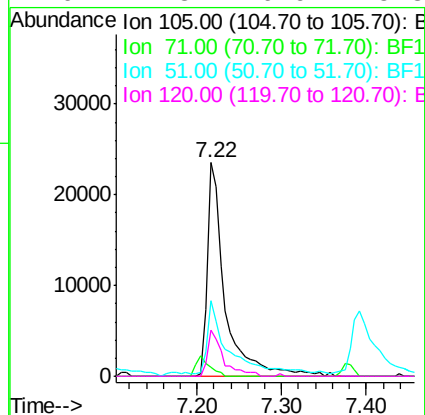
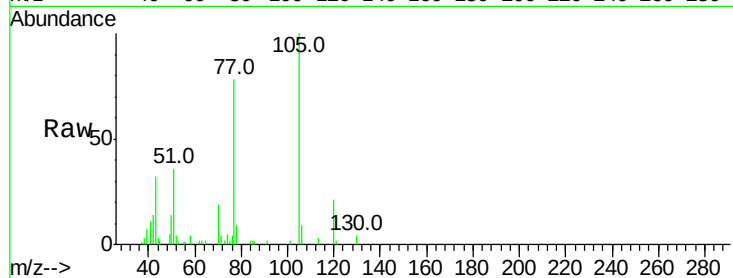
ClientSampleId :

HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
105	100		
71	4.3	4.4	6.6#
51	35.6	22.3	33.5#
120	21.3	16.9	25.3

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 6.474 ng

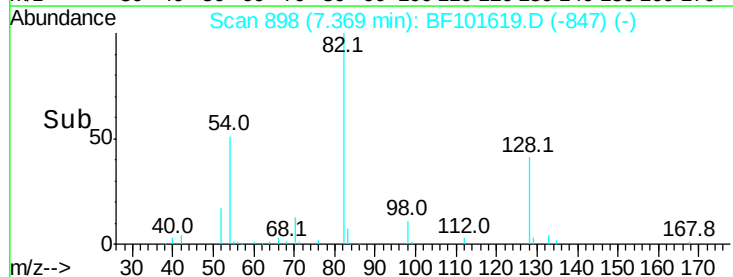
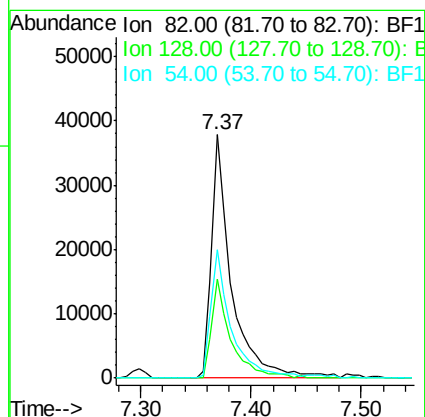
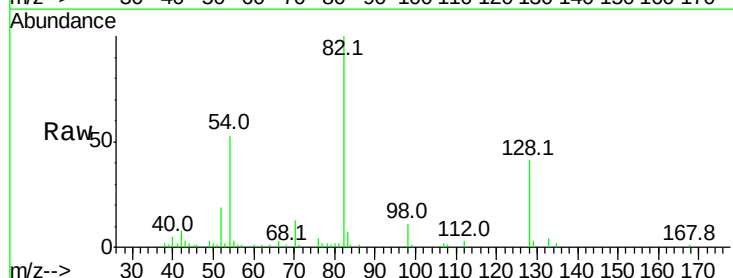
RT: 7.37 min Scan# 898

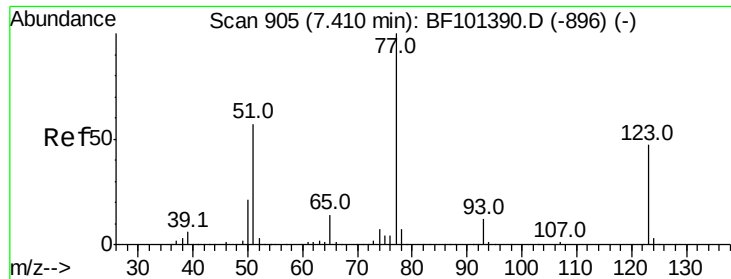
Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	52.6	41.4	62.2





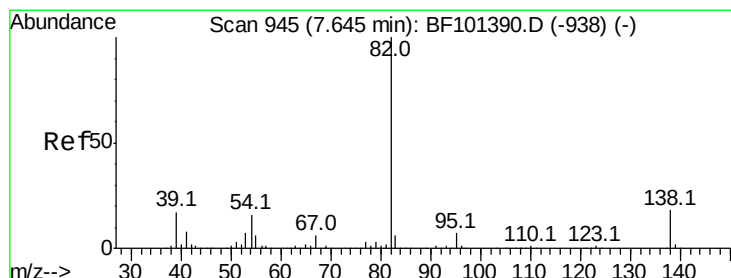
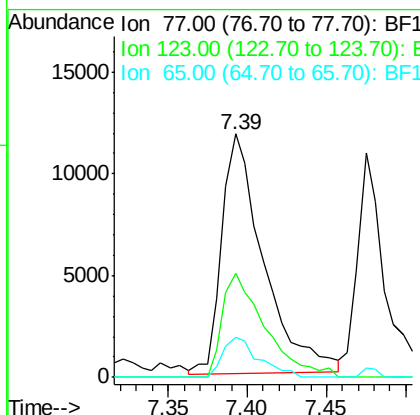
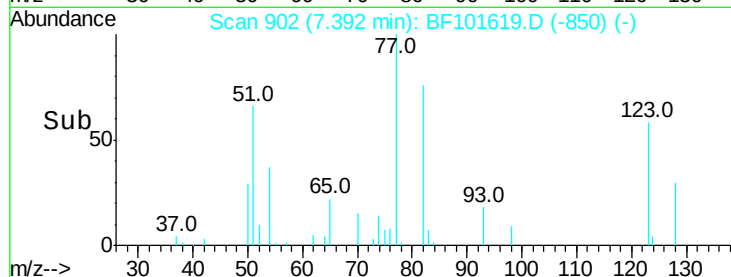
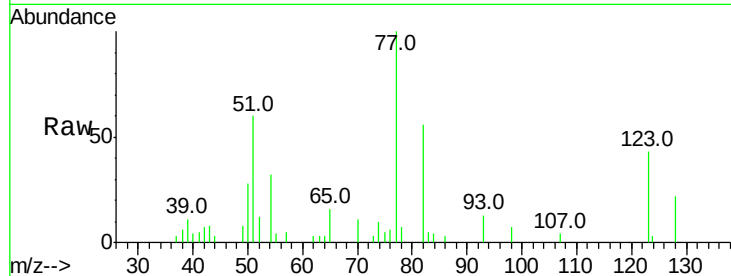
#24
 Nitrobenzene
 Concen: 2.711 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	42.9	37.9	56.9
65	16.5	11.0	16.4

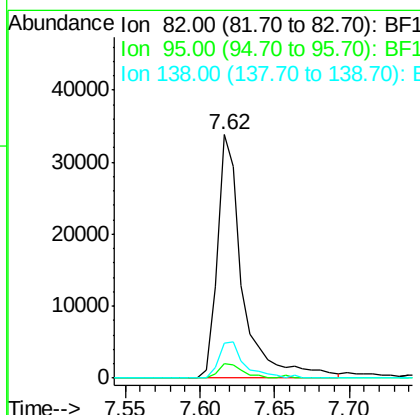
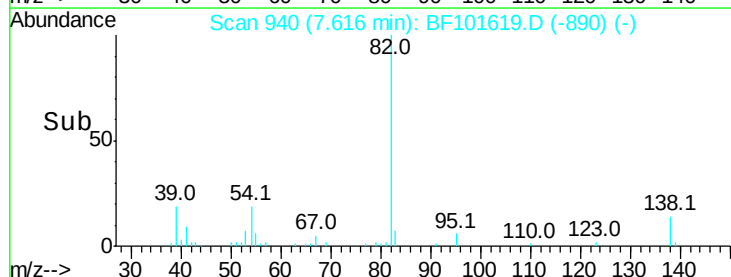
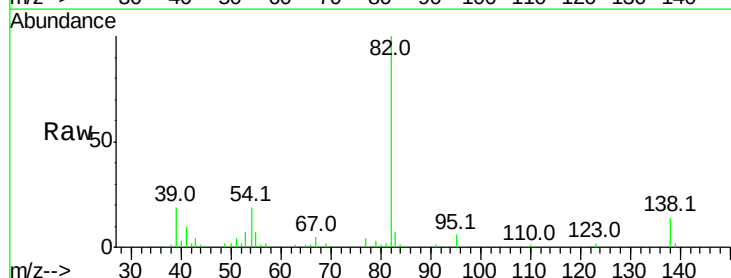
Manual Integrations
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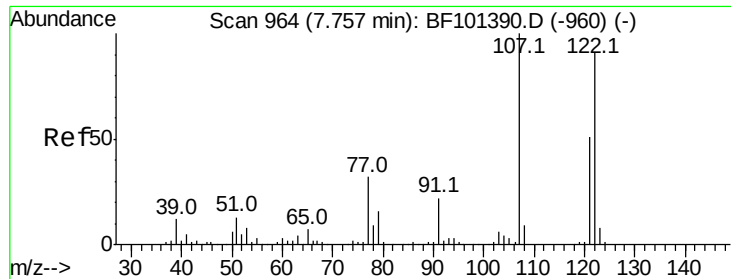
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#25
 Isophorone
 Concen: 2.740 ng
 RT: 7.62 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.2	7.8
138	14.4	14.9	22.3





#27

2,4-Dimethylphenol

Concen: 2.724 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

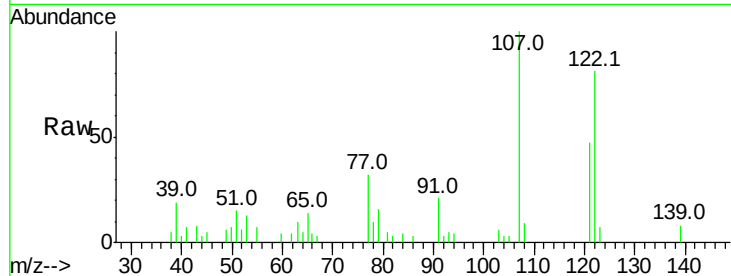
ClientSampleId :

HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	123.0	91.2	136.8
121	57.3	47.2	70.8

Manual Integrations
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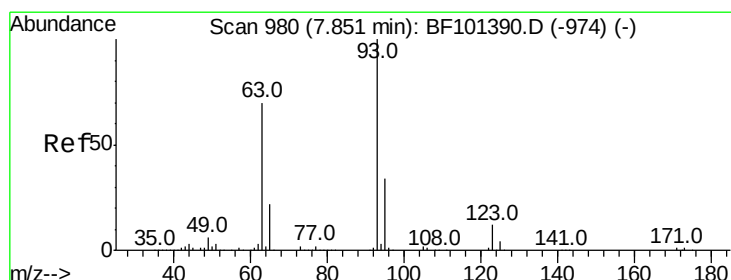
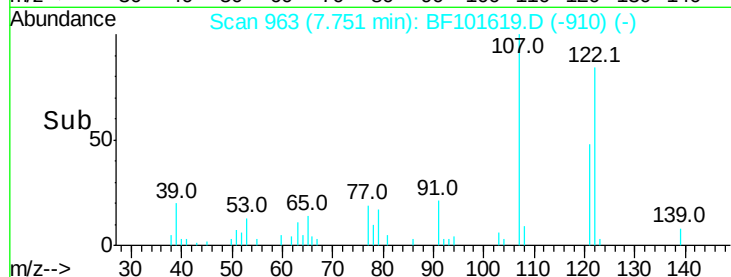
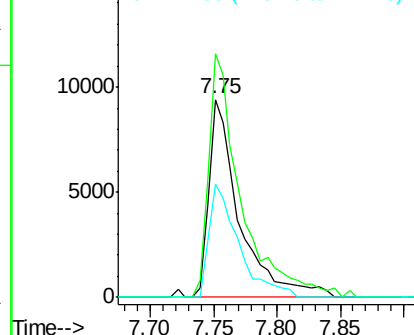


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 2.875 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

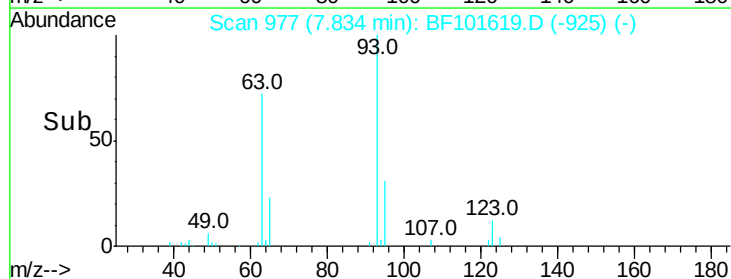
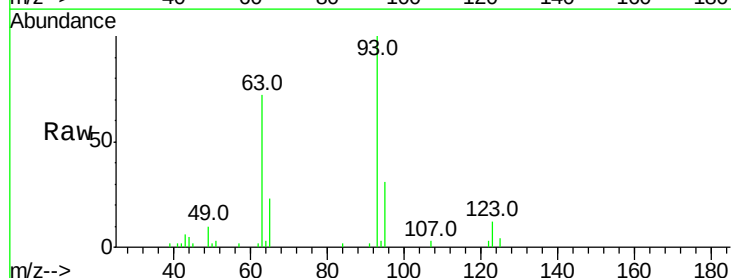
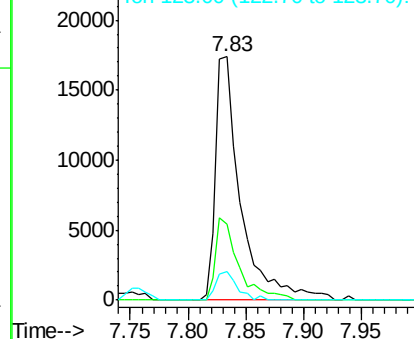
Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.3	39.5
123	11.7	9.8	14.6

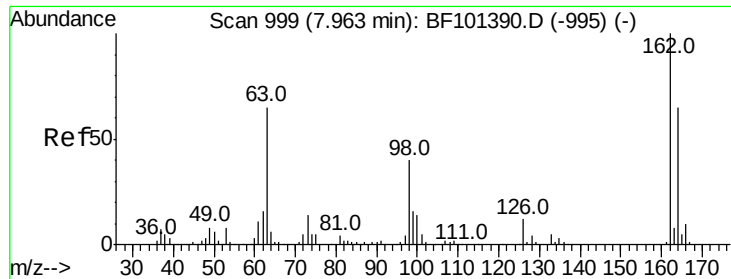
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





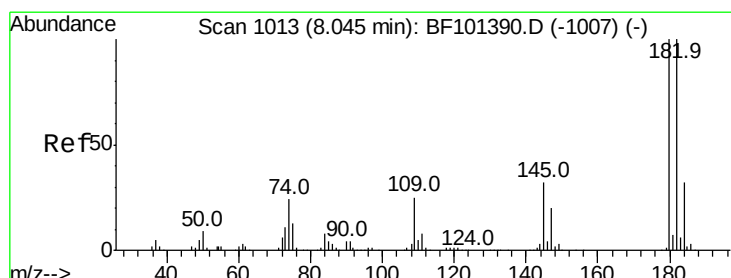
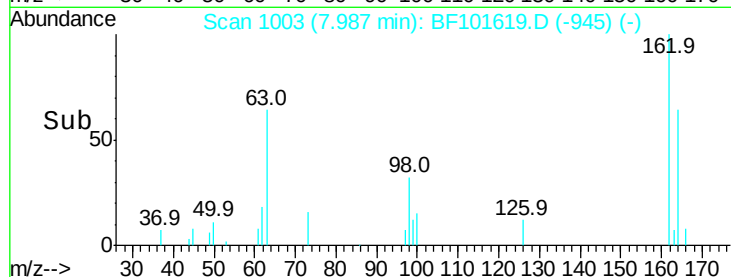
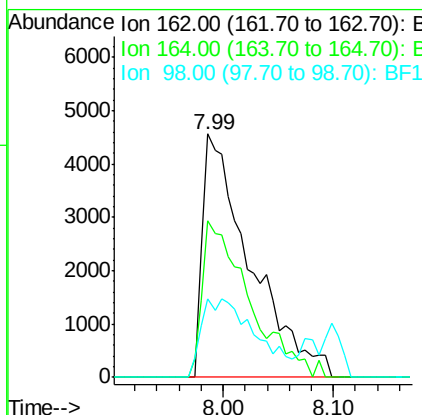
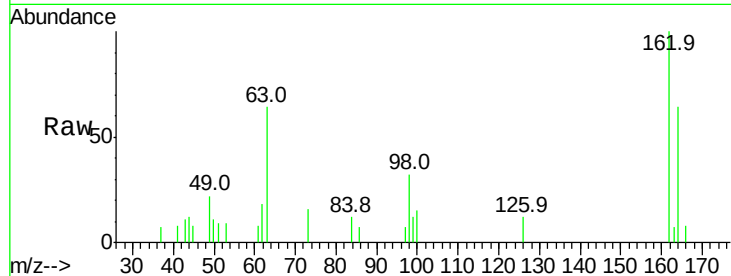
#29
 2,4-Dichlorophenol
 Concen: 2.357 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. 0.04 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	13561		
164	64.1	42.7	82.7	
98	32.4	18.1	58.1	

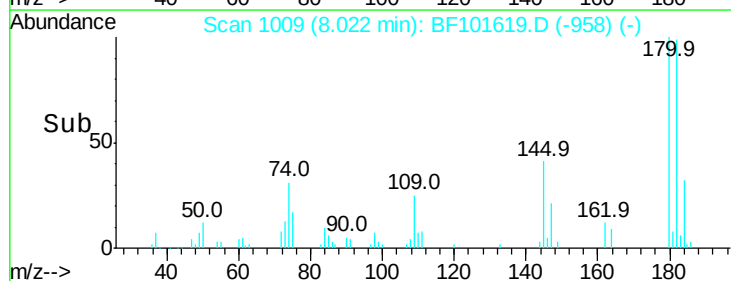
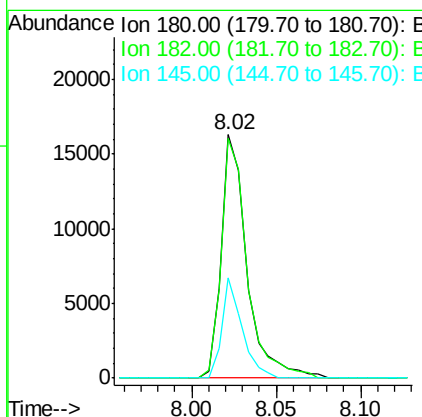
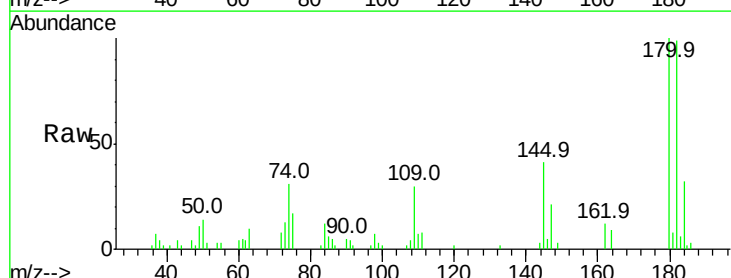
Manual Integrations
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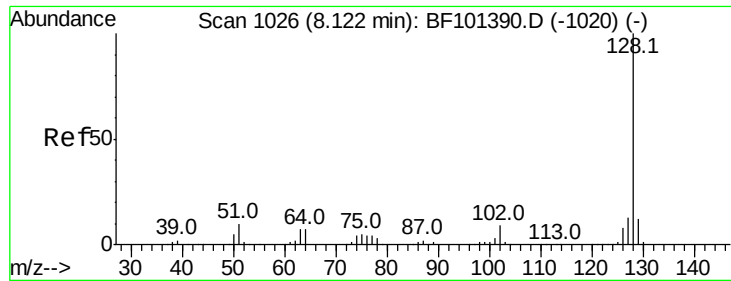
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#30
 1,2,4-Trichlorobenzene
 Concen: 2.864 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	17392		
182	98.6	76.8	115.2	
145	41.2	26.5	39.7#	





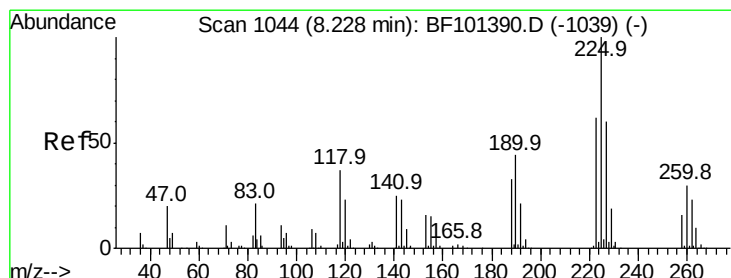
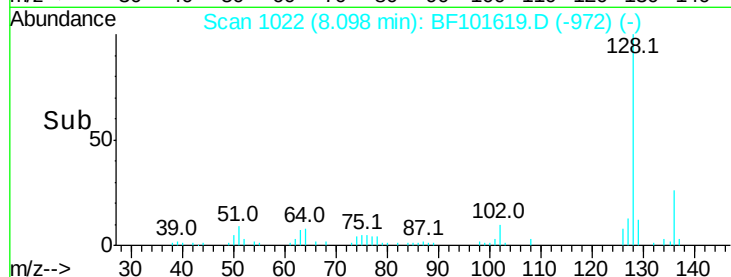
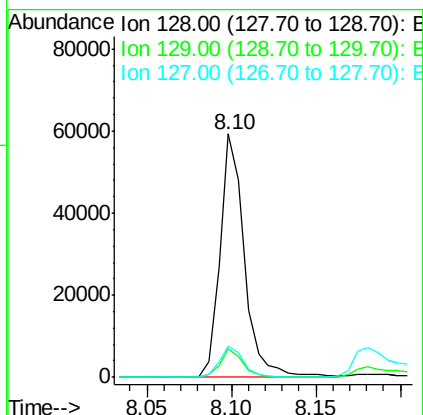
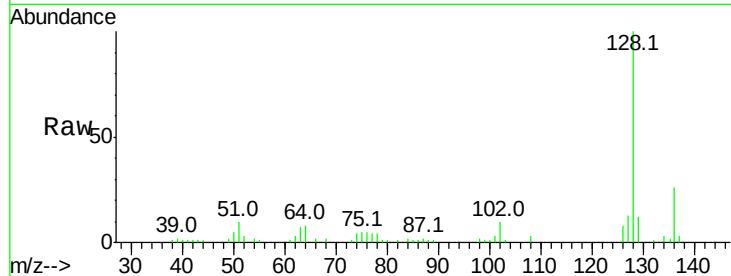
#31
Naphthalene
Concen: 2.970 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	12.7	10.9	16.3

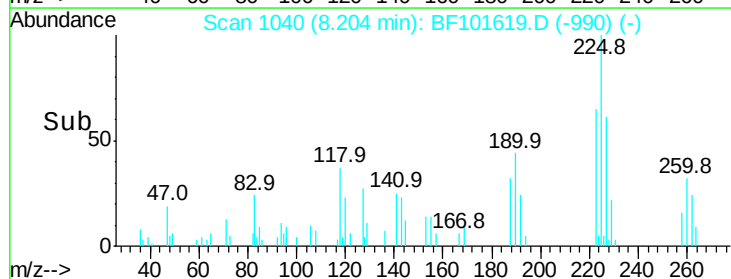
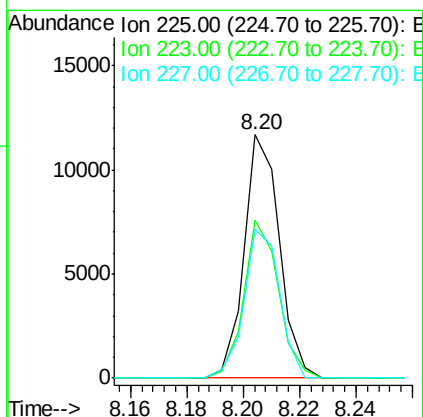
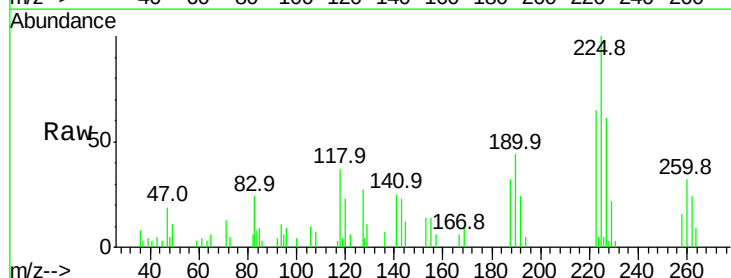
Manual Integrations
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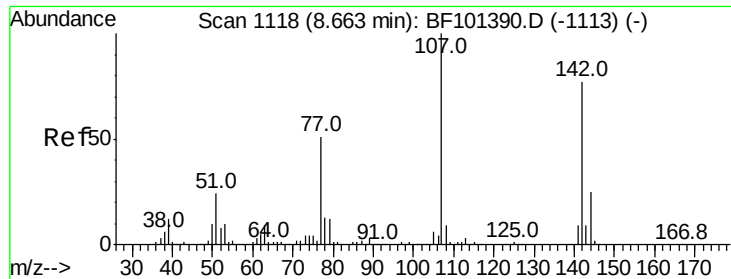
Sohil
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#34
Hexachlorobutadiene
Concen: 2.871 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.6	76.0
227	58.3	51.9	77.9





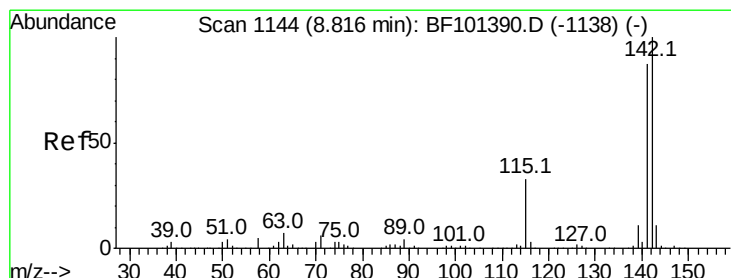
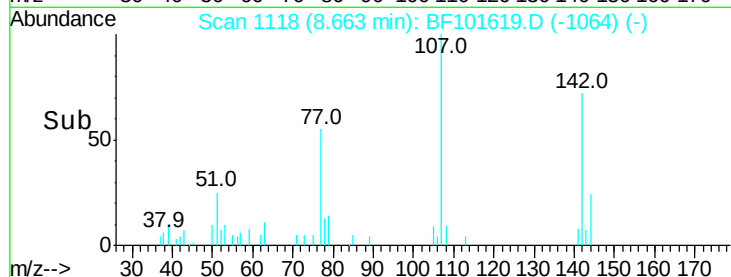
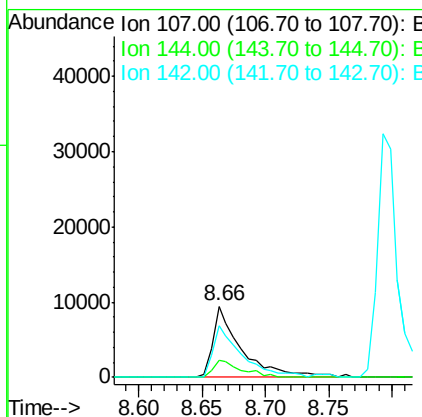
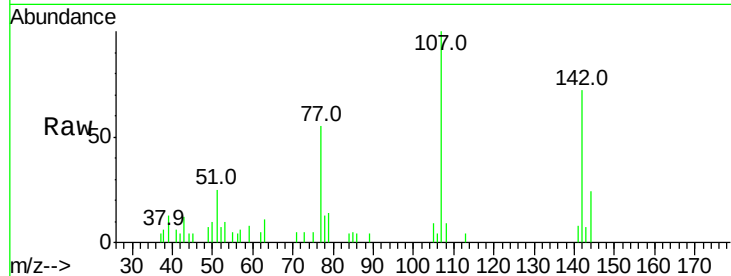
#36
 4-Chloro-3-methylphenol
 Concen: 2.339 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.02 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	23.6	20.5	30.7
142	71.9	62.0	93.0

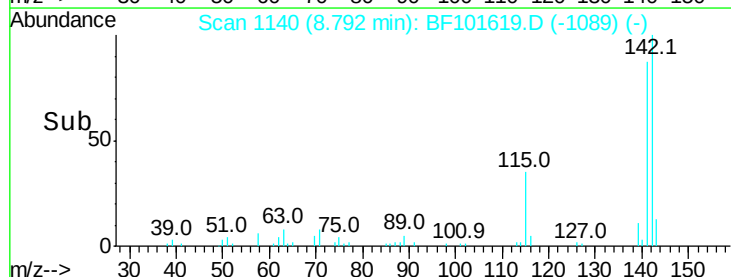
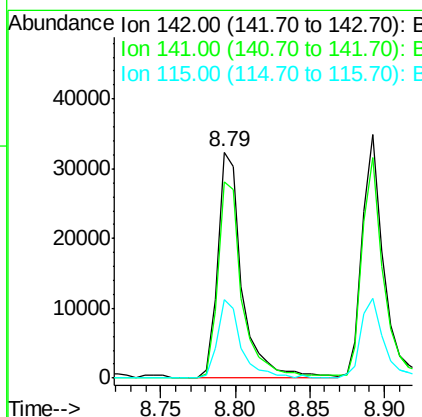
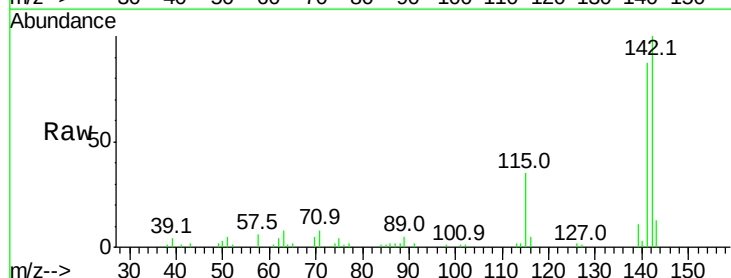
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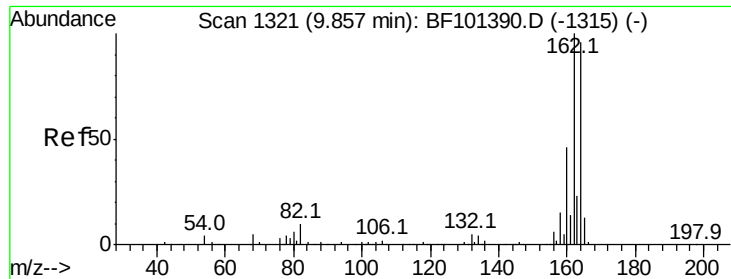
Sohil
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#37
 2-Methylnaphthalene
 Concen: 2.822 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.8	106.2
115	34.9	26.1	39.1





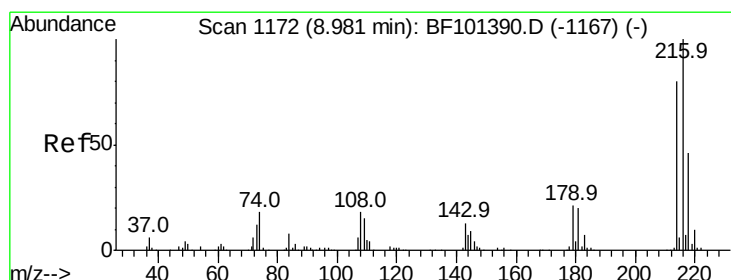
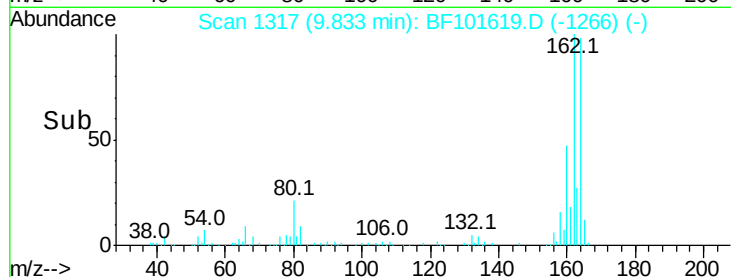
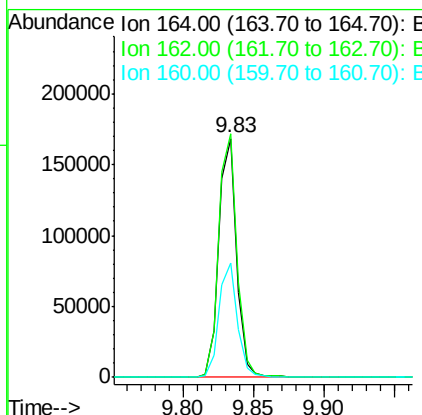
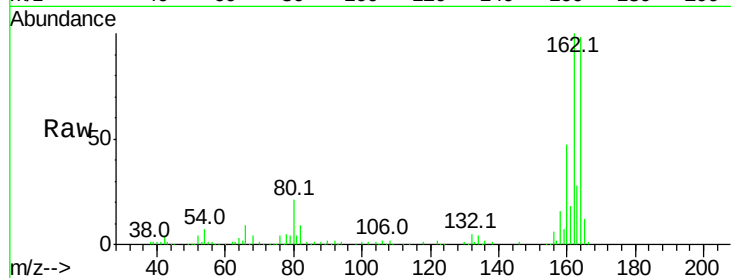
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	47.8	38.3	57.5

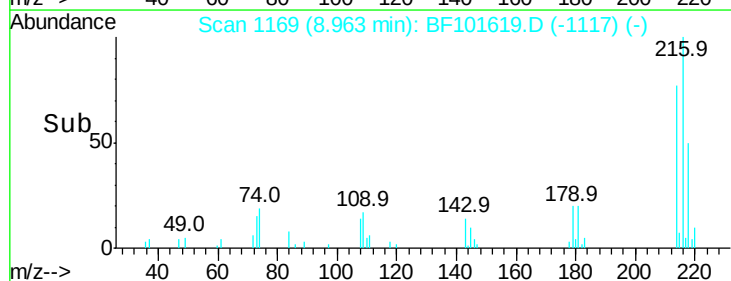
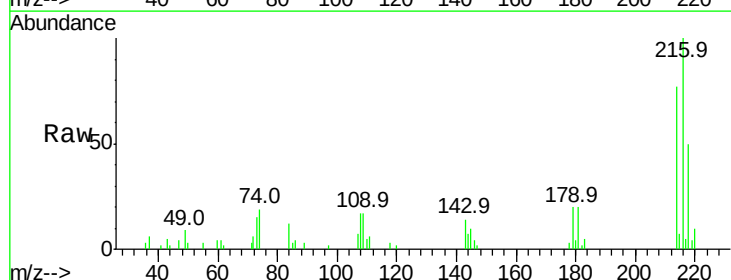
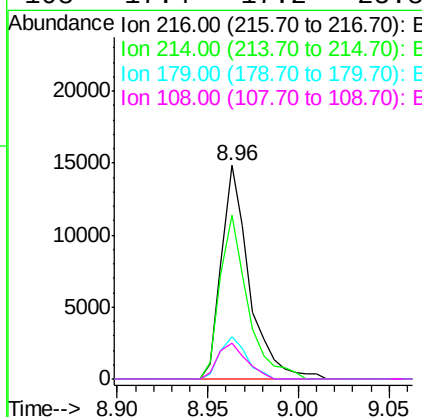
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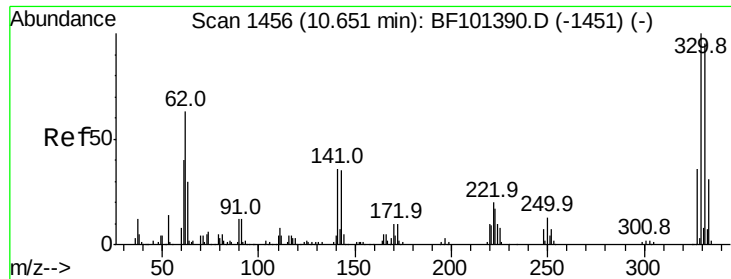
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 3.167 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.0	94.4
179	19.3	18.1	27.1
108	17.4	17.2	25.8





#41

2,4,6-Tribromophenol

Concen: 6.445 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

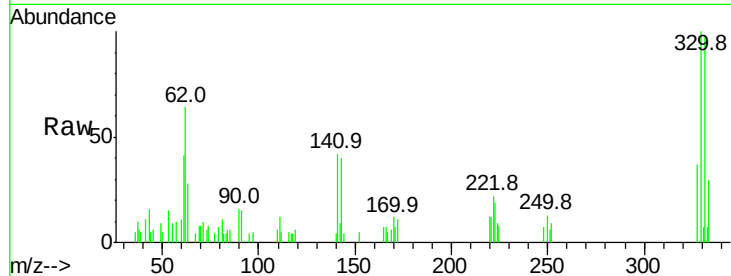
ClientSampleId :

HALSTED-WWMSD

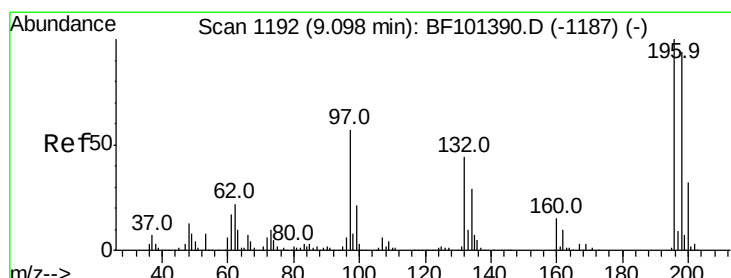
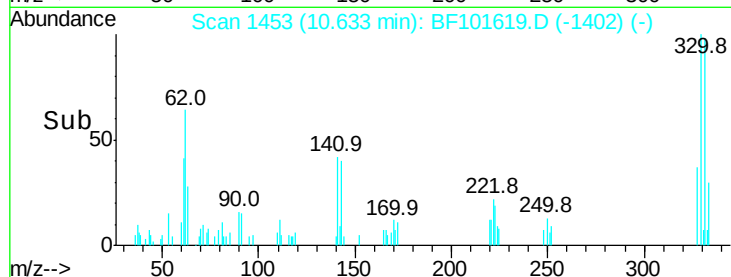
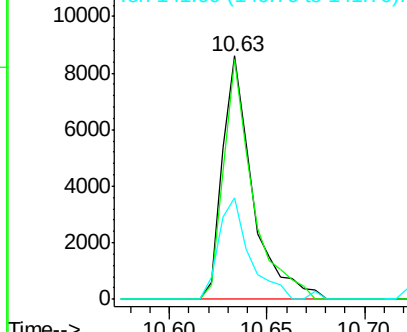
Tot Ion:	330	Resp:	9237
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.0	115.6
141	42.6	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 2.391 ng

RT: 9.09 min Scan# 1191

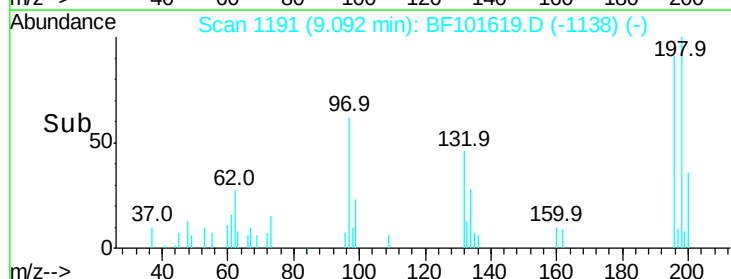
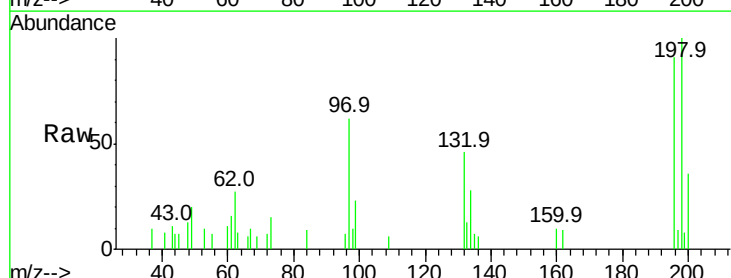
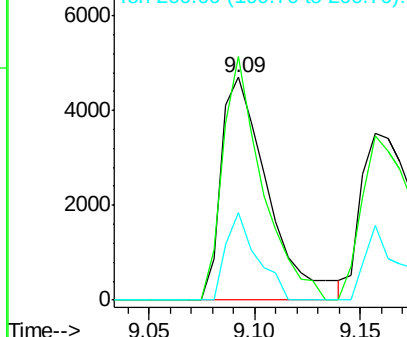
Delta R.T. 0.01 min

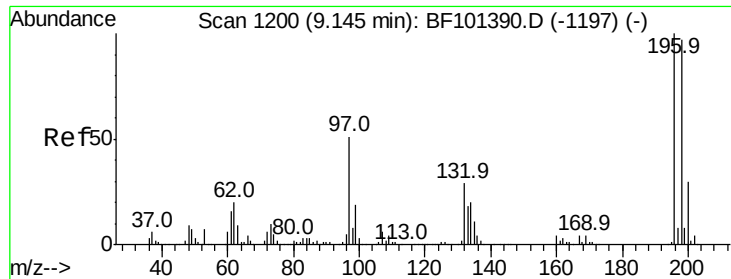
Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion:	196	Resp:	7227
Ion Ratio	Lower	Upper	
196	100		
198	109.3	75.7	113.5
200	39.1	24.5	36.7#

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





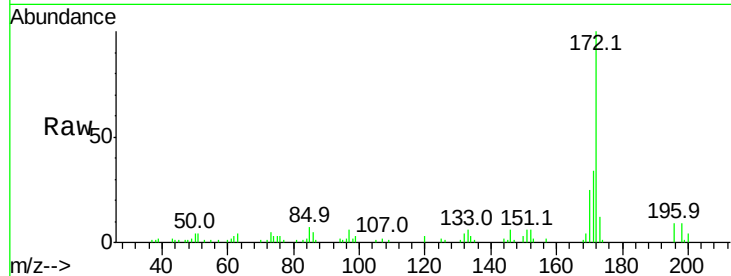
#43
 2,4,5-Trichlorophenol
 Concen: 2.301 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

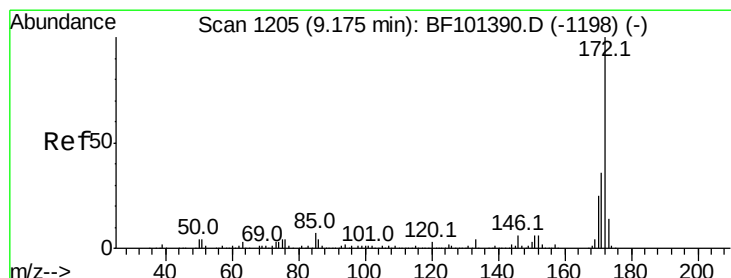
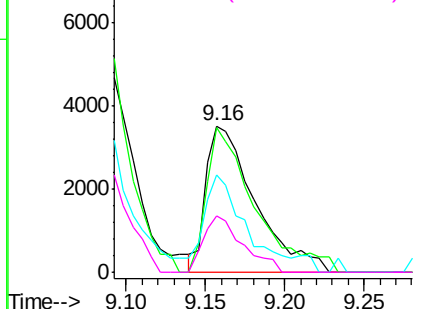
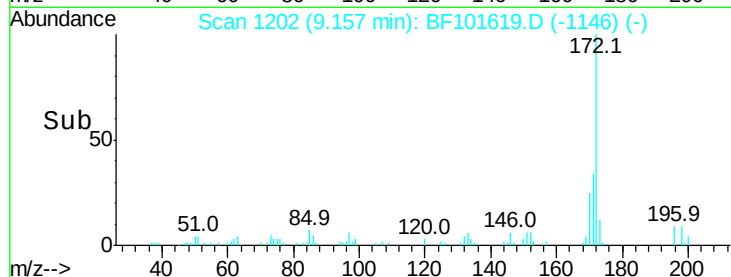
Tot Ion:	196	Resp:	7618
Ion Ratio	Lower	Upper	
196	100		
198	98.7	74.6	112.0
97	66.4	42.9	64.3#
132	38.3	26.3	39.5

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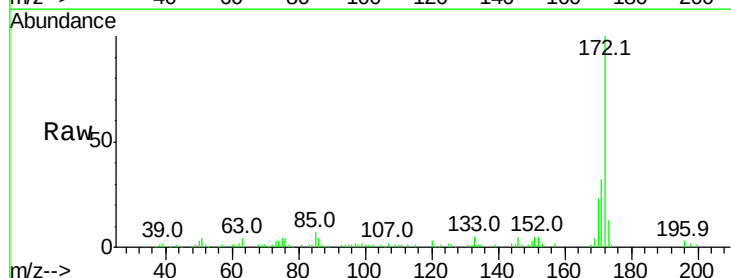


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

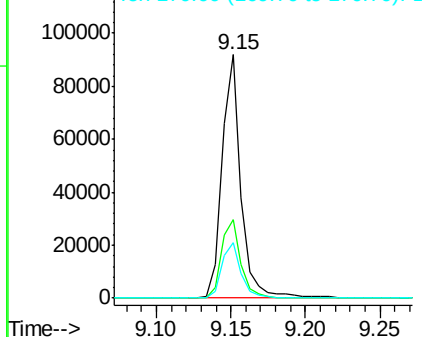
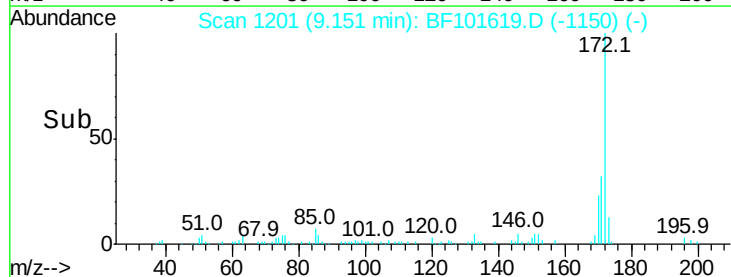


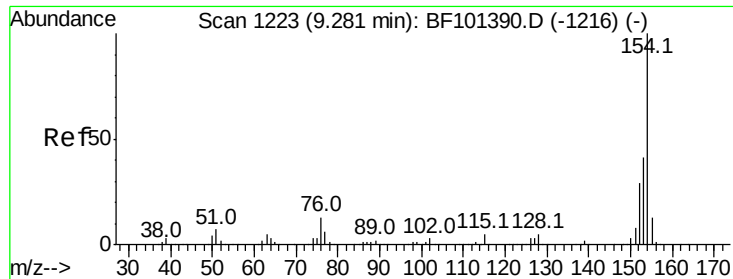
#44
 2-Fluorobiphenyl
 Concen: 8.540 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion:	172	Resp:	81876
Ion Ratio	Lower	Upper	
172	100		
171	32.5	29.7	44.5
170	22.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 3.329 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

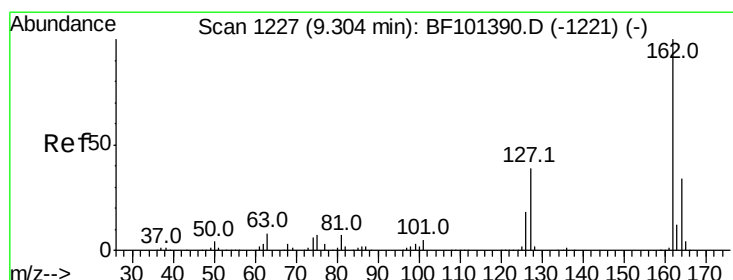
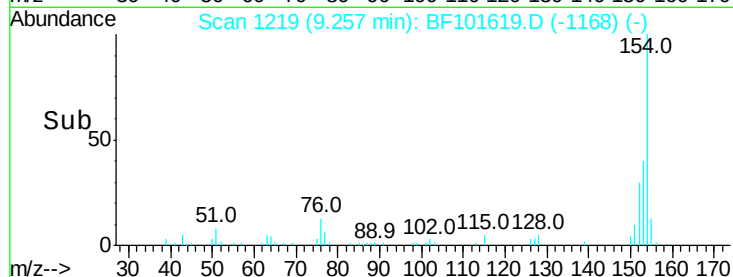
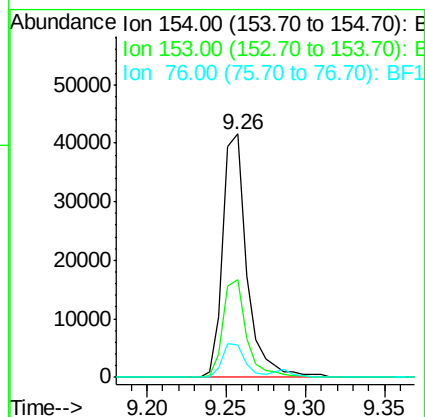
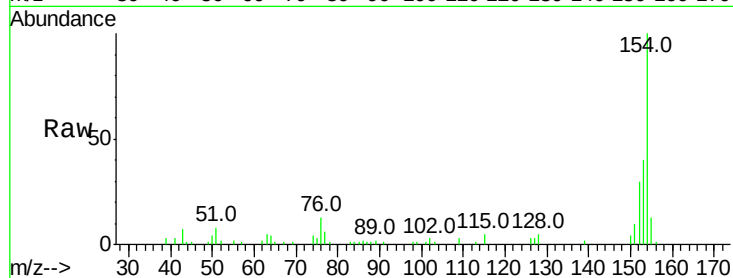
ClientSampleId :

HALSTED-WWMSD

Tot Ion:	154	Resp:	43911
Ion Ratio	Lower	Upper	
154	100		
153	39.9	21.3	61.3
76	13.2	0.0	34.0

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#46

2-Chloronaphthalene

Concen: 3.028 ng

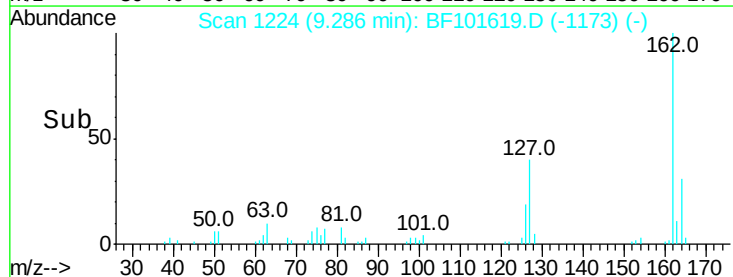
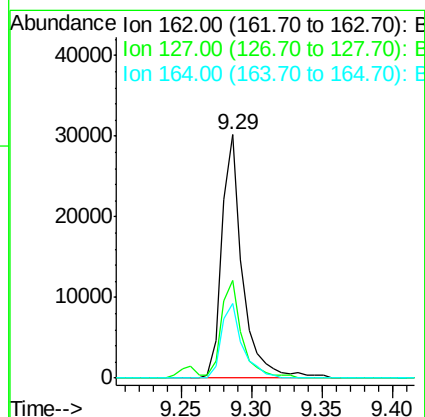
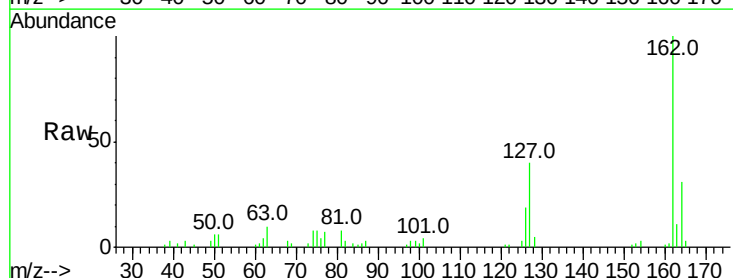
RT: 9.29 min Scan# 1224

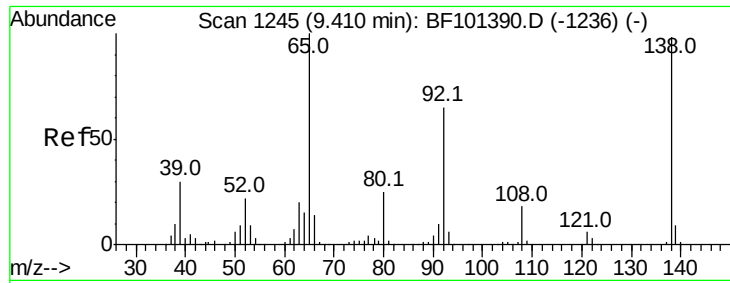
Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion:	162	Resp:	30562
Ion Ratio	Lower	Upper	
162	100		
127	40.4	33.9	50.9
164	30.7	26.5	39.7





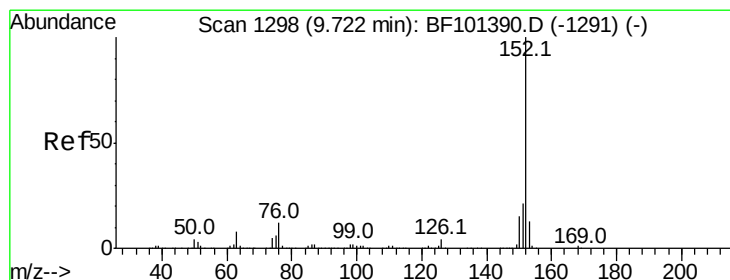
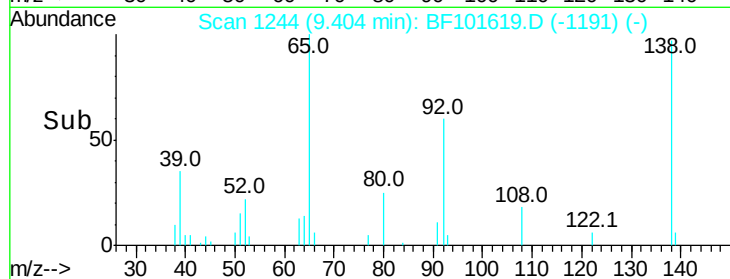
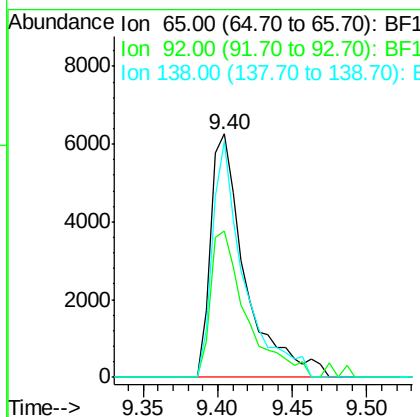
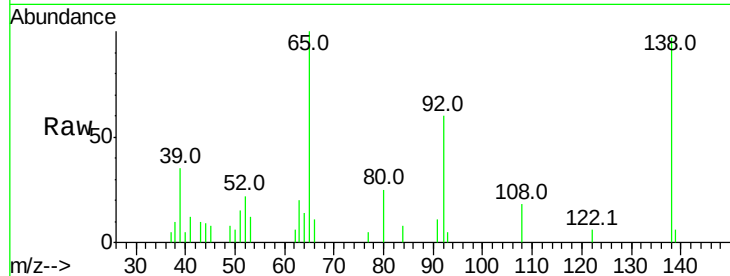
#47
2-Nitroaniline
Concen: 2.927 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.1	55.8	83.6
138	96.8	91.2	136.8

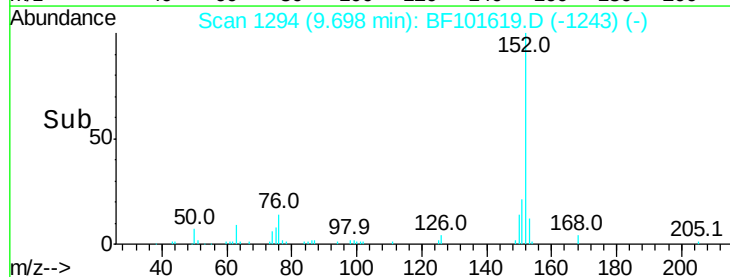
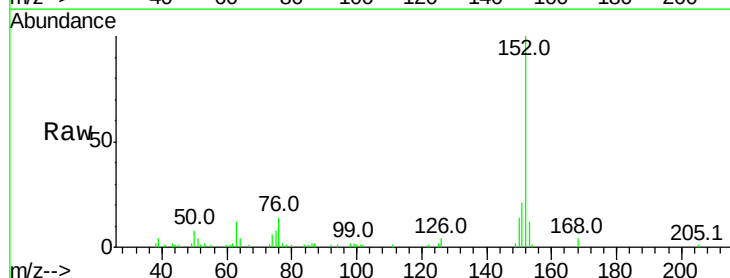
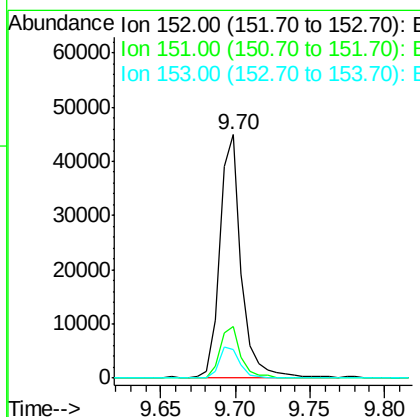
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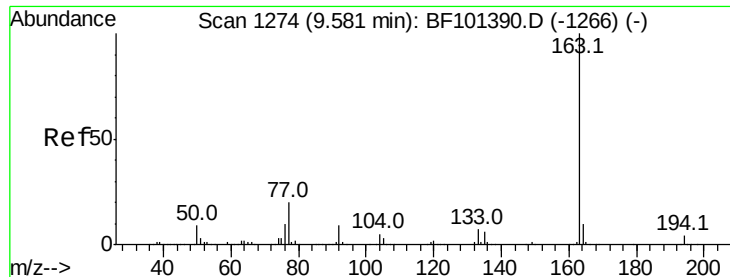
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#48
Acenaphthylene
Concen: 2.866 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	11.8	10.7	16.1





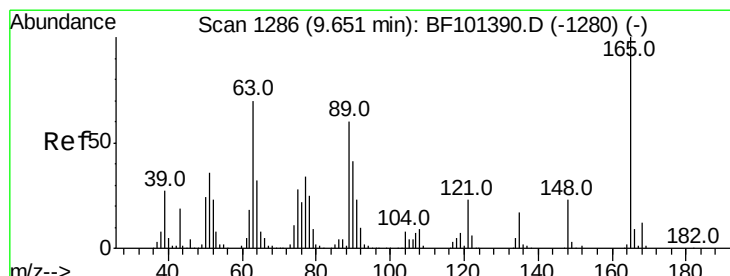
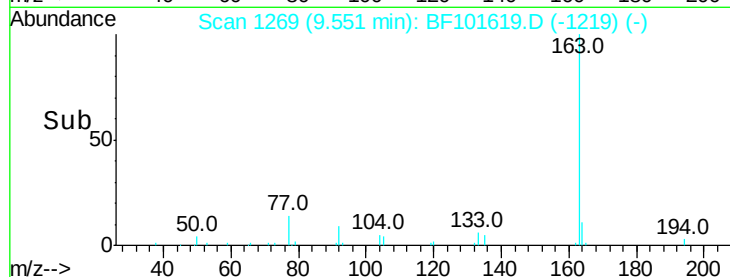
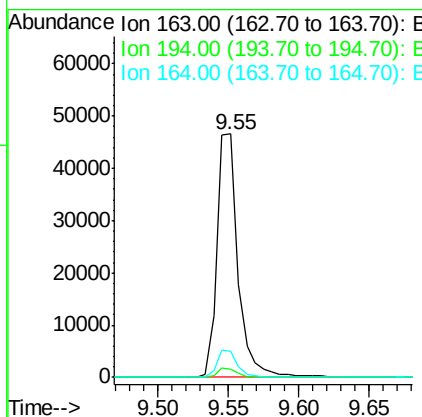
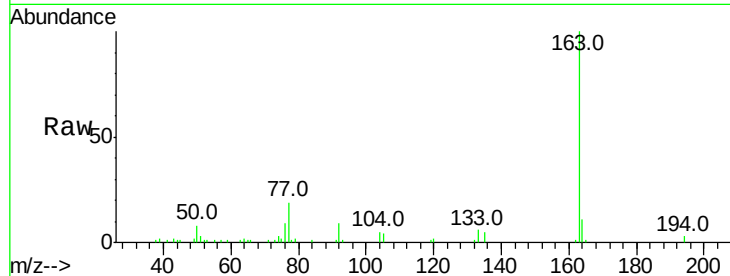
#49
 Dimethylphthalate
 Concen: 4.041 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Tot Ion:	163	Resp:	48347
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.7	8.2	12.2

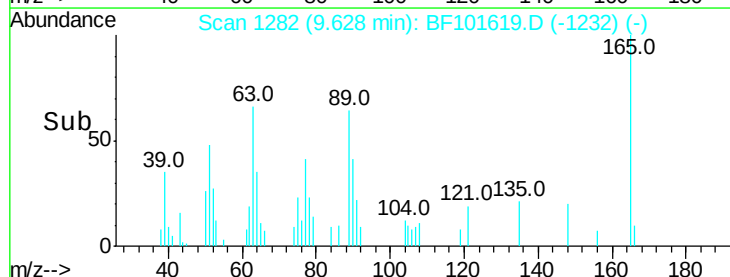
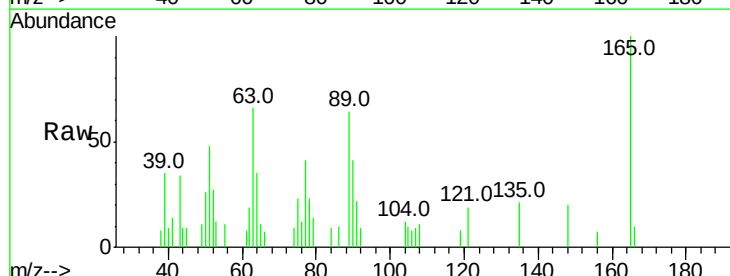
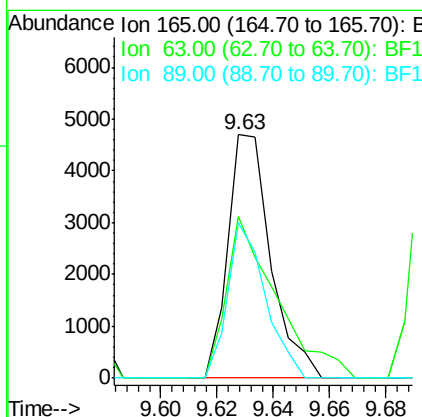
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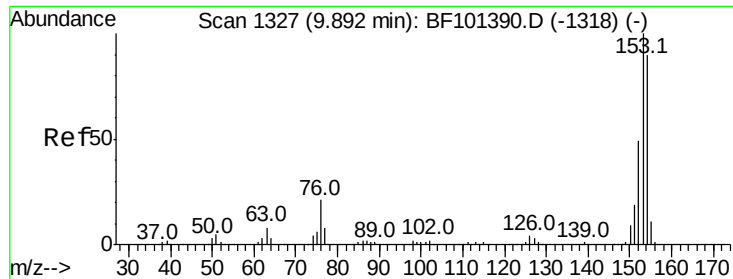
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#50
 2,6-Dinitrotoluene
 Concen: 2.035 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion:	165	Resp:	4949
Ion Ratio	Lower	Upper	
165	100		
63	66.3	44.7	67.1
89	64.0	44.0	66.0





#51

Acenaphthene

Concen: 2.717 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMSD

Tot Ion:154 Resp: 26020

Ion Ratio Lower Upper

154 100

153 110.0 91.2 136.8

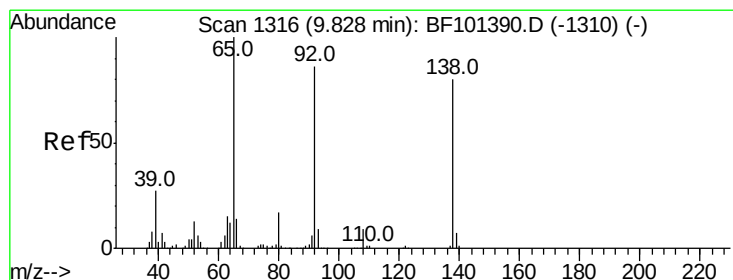
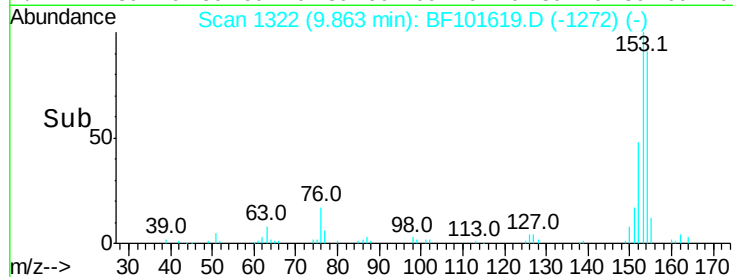
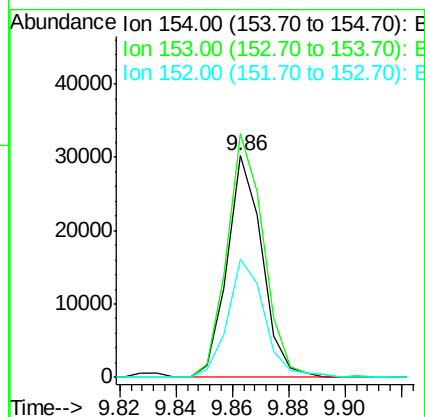
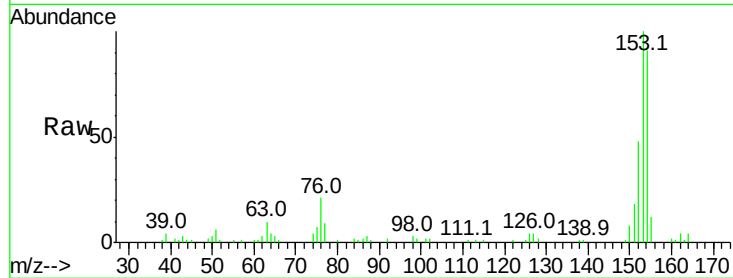
152 53.2 43.8 65.8

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#52

3-Nitroaniline

Concen: 2.309 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

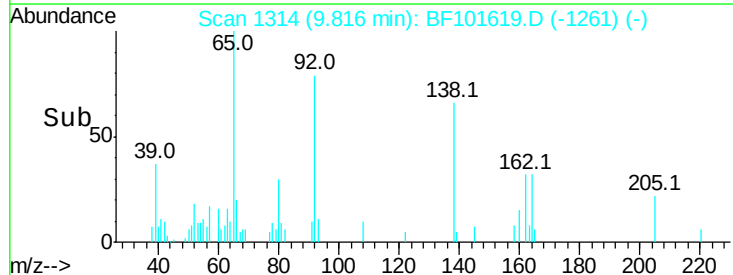
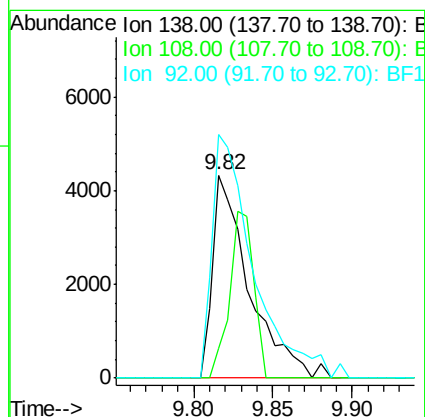
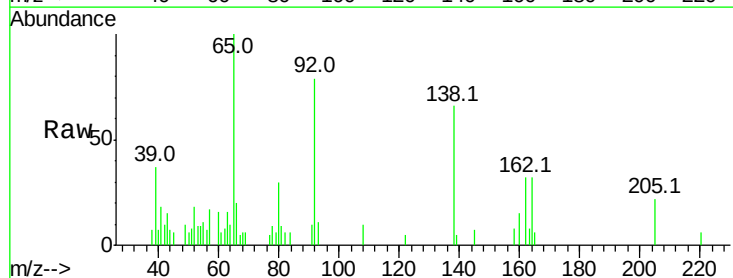
Tgt Ion:138 Resp: 7000

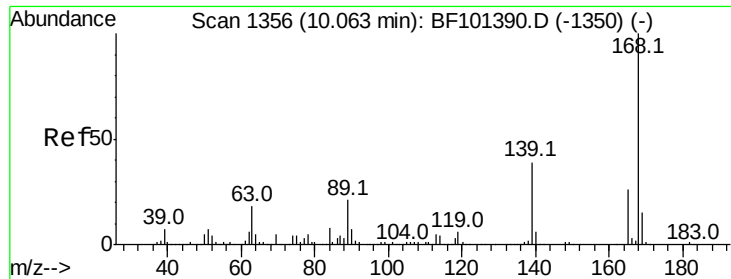
Ion Ratio Lower Upper

138 100

108 14.9 9.4 14.0#

92 120.0 89.4 134.2





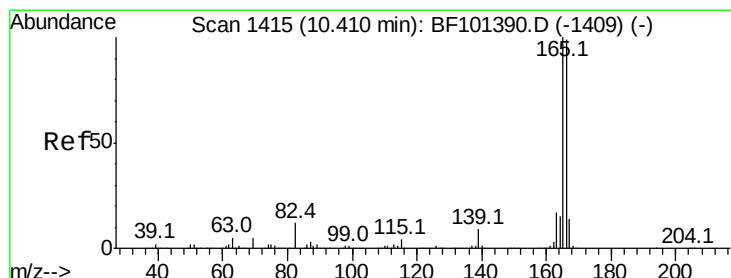
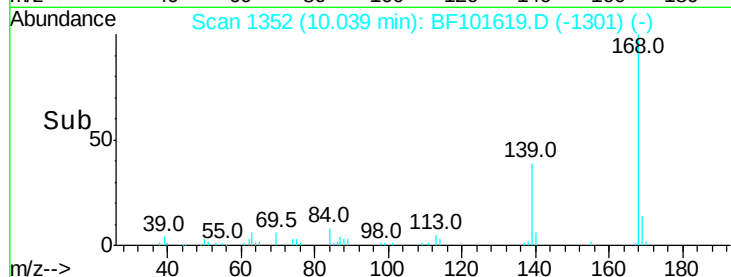
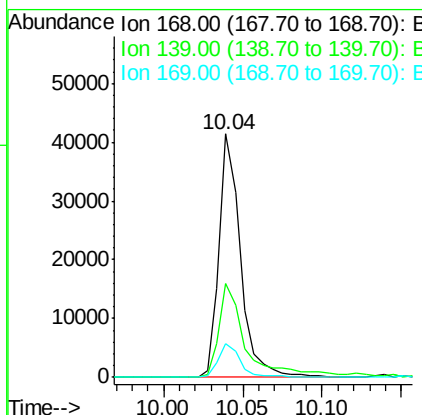
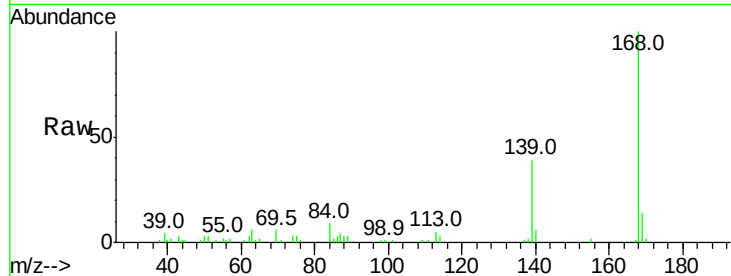
#54
Dibenzofuran
Concen: 3.207 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	14.0	10.9	16.3

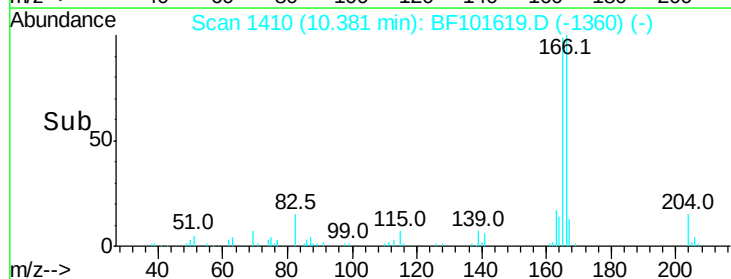
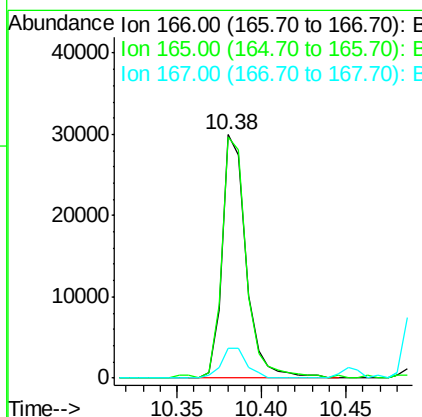
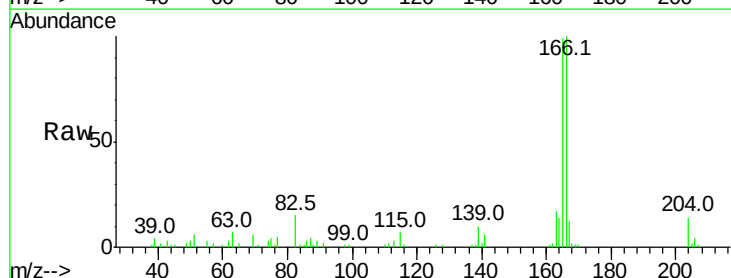
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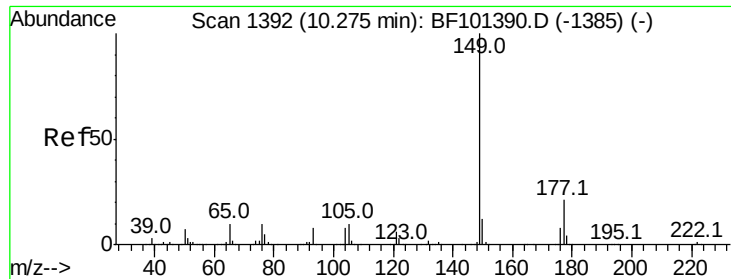
Sohil
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#57
Fluorene
Concen: 2.876 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	12.4	10.6	16.0





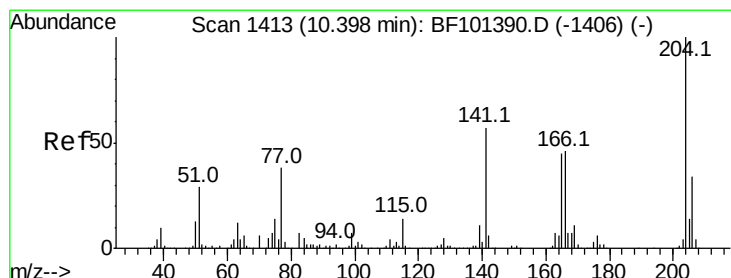
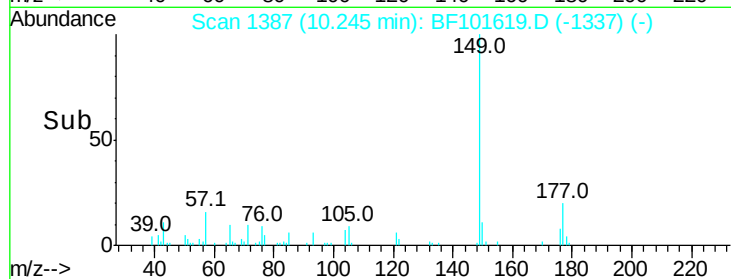
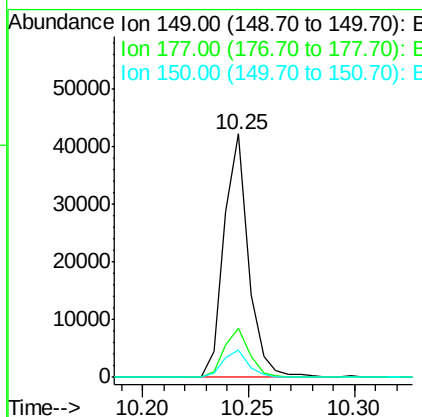
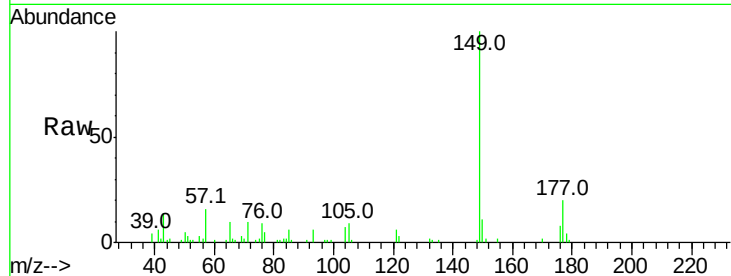
#59
Diethylphthalate
Concen: 2.861 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	33893		
177	20.4		16.1	24.1
150	11.3		10.1	15.1

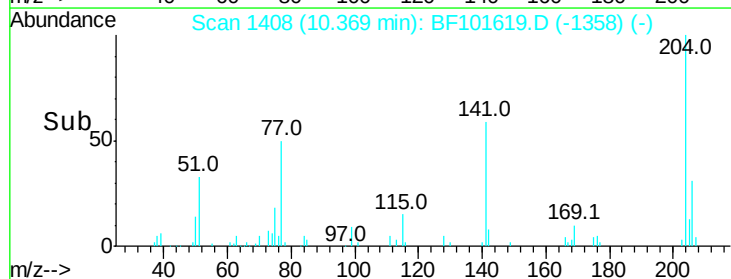
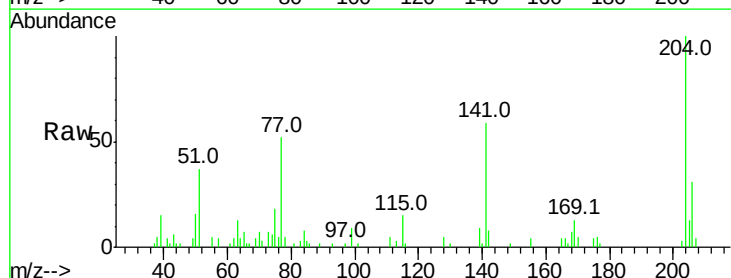
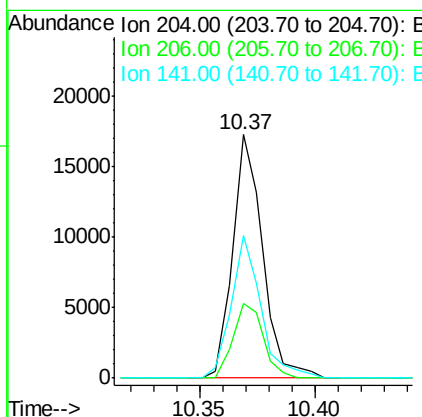
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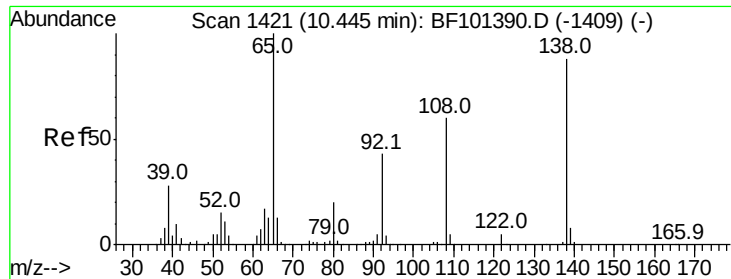
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 3.151 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	15551		
206	30.8		26.5	39.7
141	58.7		54.6	81.8





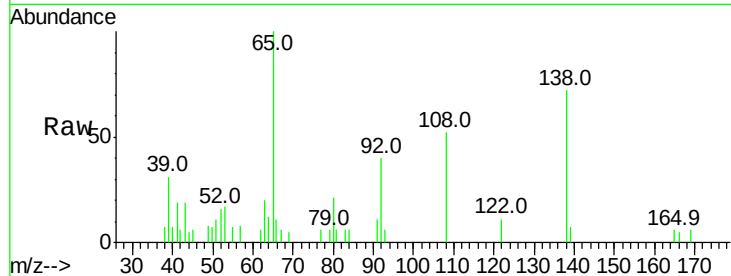
#61
4-Nitroaniline
Concen: 2.316 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	55.4	30.2	70.2
108	71.7	52.5	92.5

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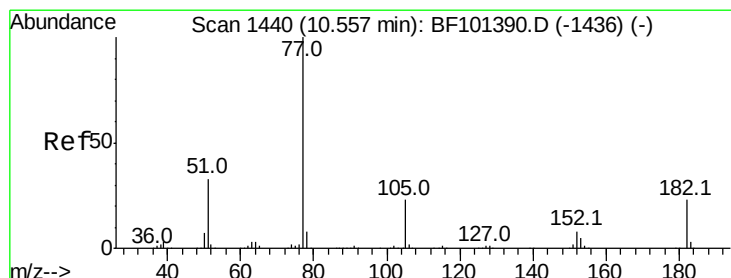
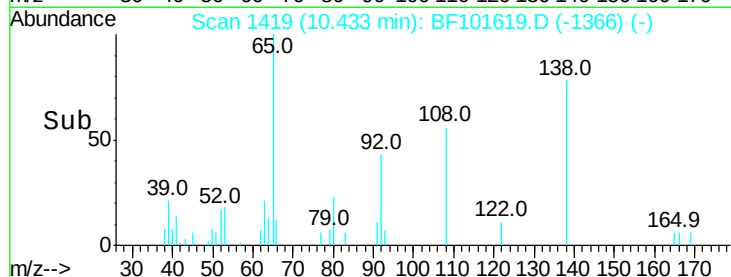
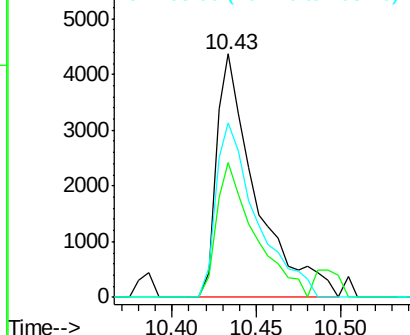


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62
Azobenzene
Concen: 3.517 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.3	1.7	41.7
105	29.8	3.0	43.0
51	32.9	9.9	49.9

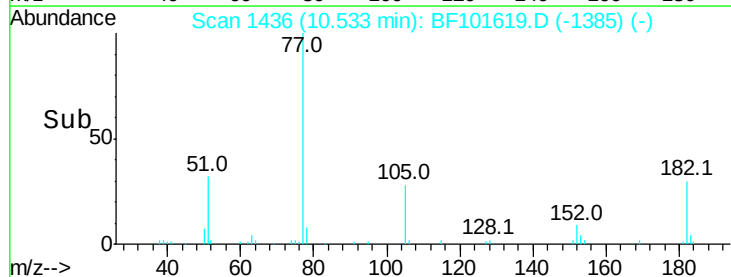
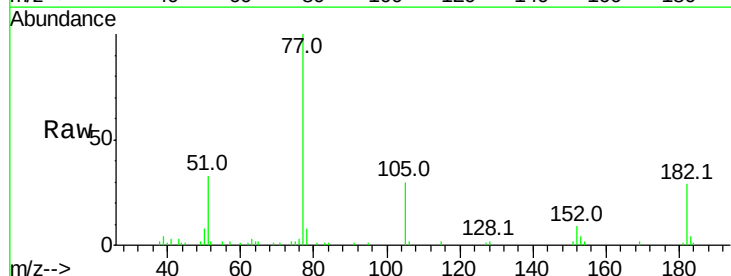
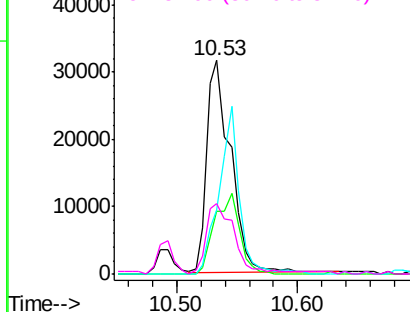
Abundance

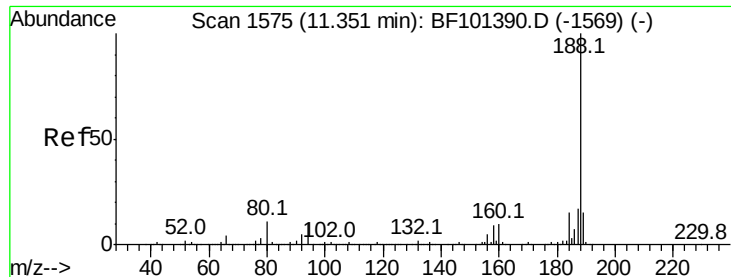
Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

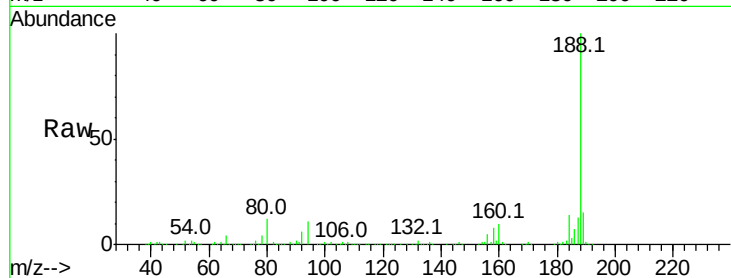
ClientSampleId :

HALSTED-WWMSD

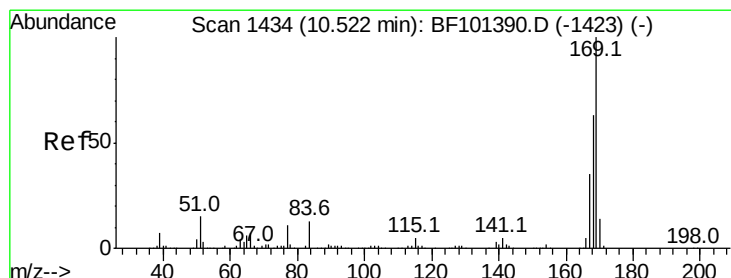
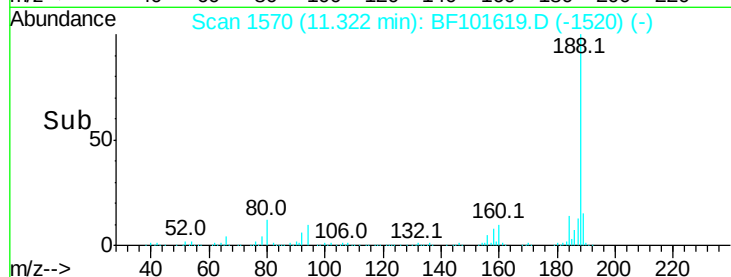
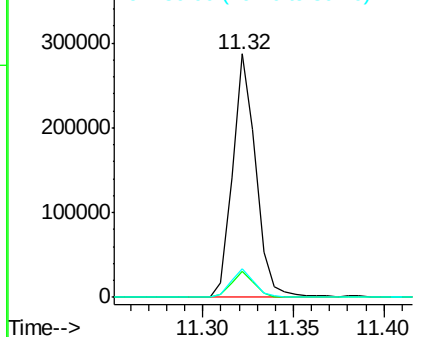
Tot Ion:	188	Resp:	256835
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	11.8	9.2	13.8

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 2.869 ng

RT: 10.49 min Scan# 1429

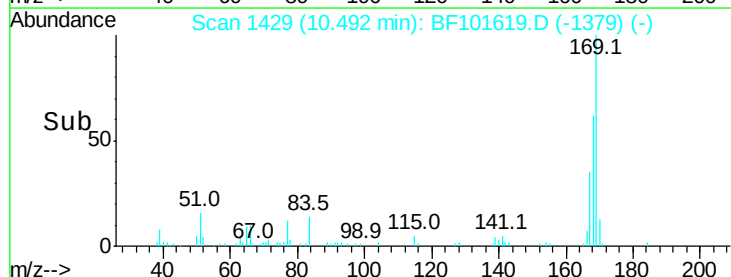
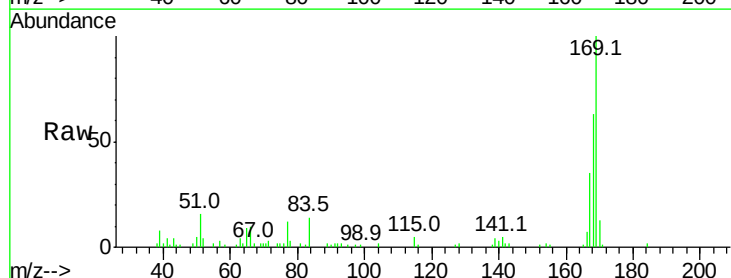
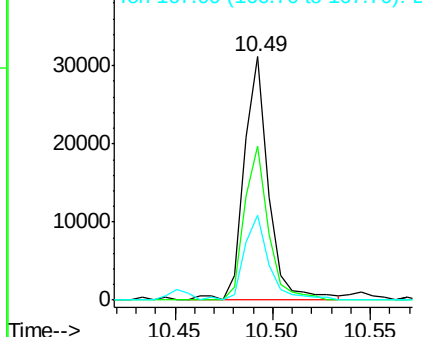
Delta R.T. -0.01 min

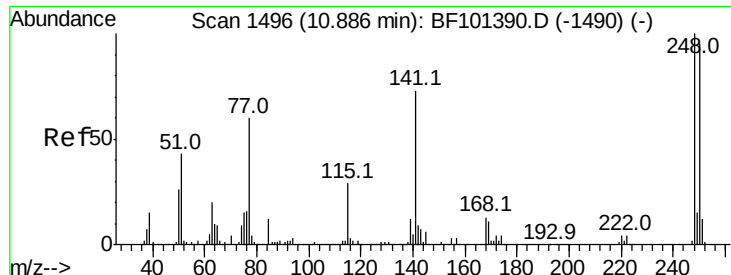
Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion:	169	Resp:	27204
Ion Ratio	Lower	Upper	
169	100		
168	63.5	54.4	81.6
167	34.7	29.8	44.6

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





#66

4-Bromophenyl-phenylether

Concen: 2.745 ng

RT: 10.86 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMSD

Tot Ion:248 Resp: 7923

Ion Ratio Lower Upper

248 100

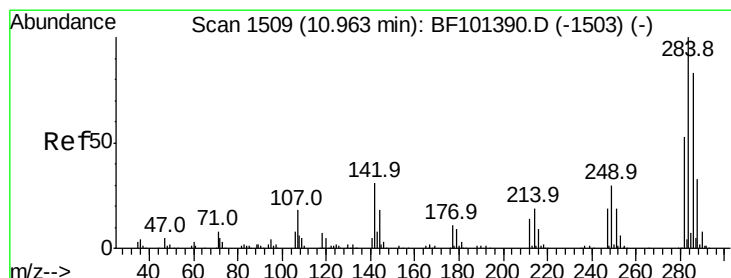
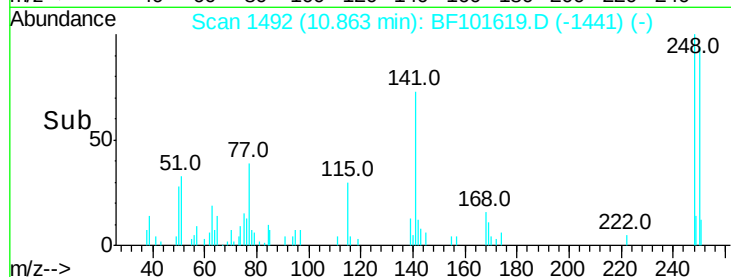
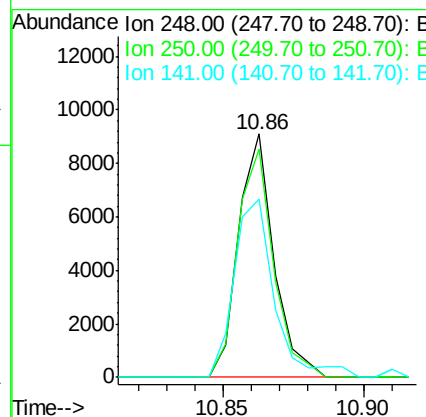
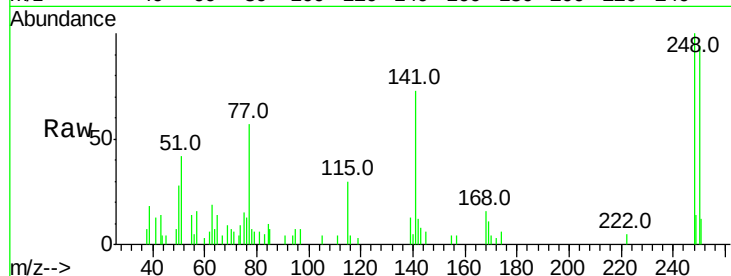
250 93.6 76.9 115.3

141 73.1 74.4 111.6#

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#67

Hexachlorobenzene

Concen: 2.623 ng

RT: 10.93 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

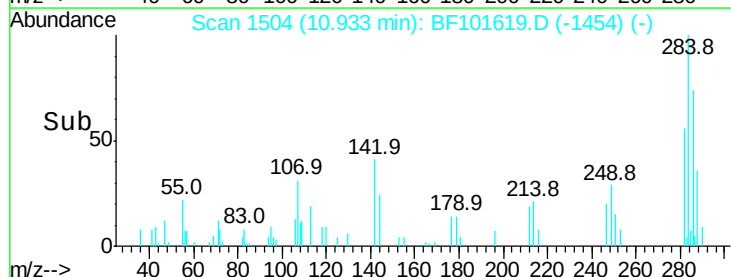
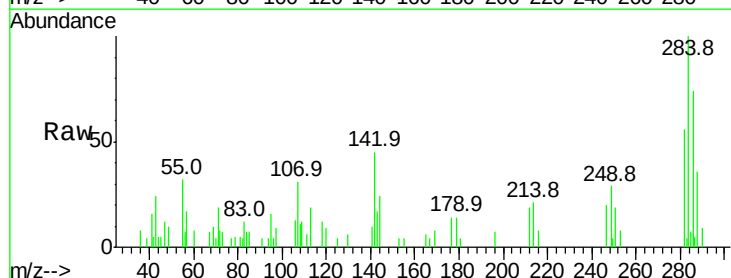
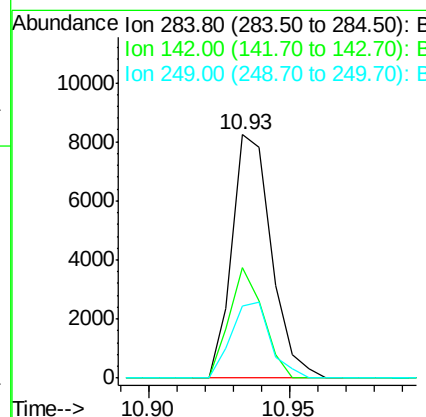
Tgt Ion:284 Resp: 8011

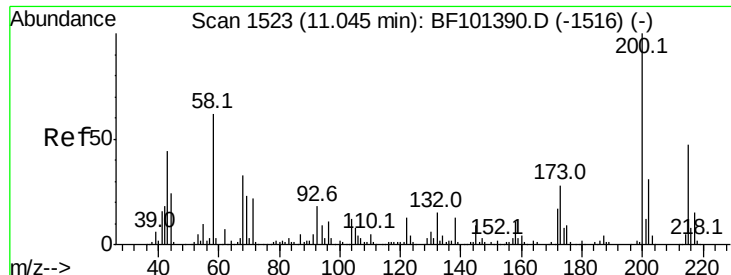
Ion Ratio Lower Upper

284 100

142 45.4 34.6 52.0

249 33.8 24.8 37.2





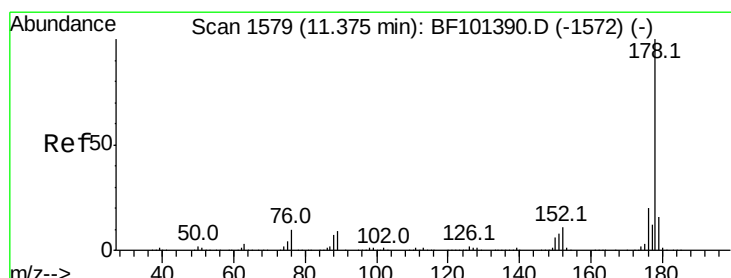
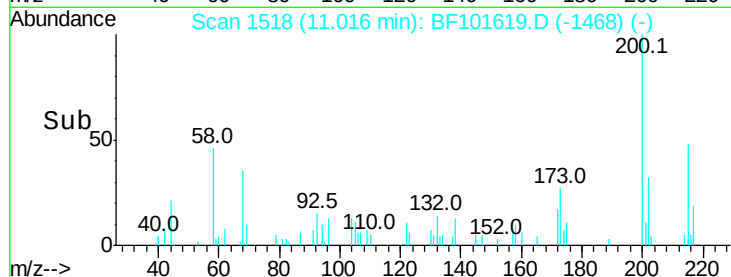
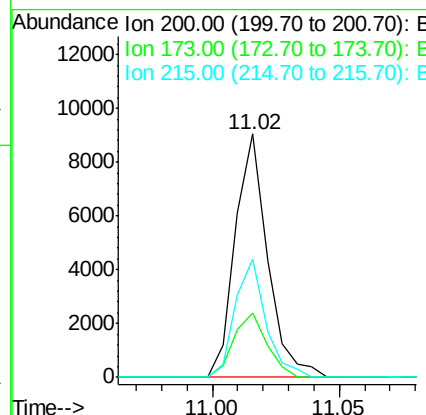
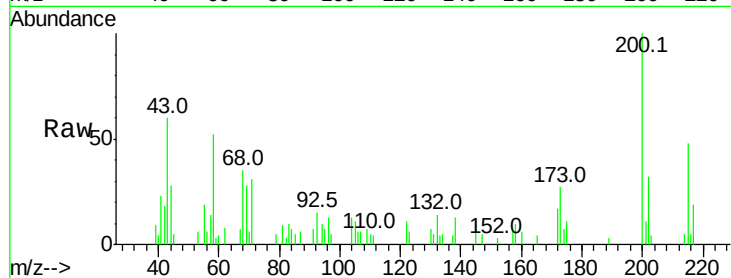
#68
Atrazine
Concen: 2.844 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	8.6	48.6
215	48.5	25.1	65.1

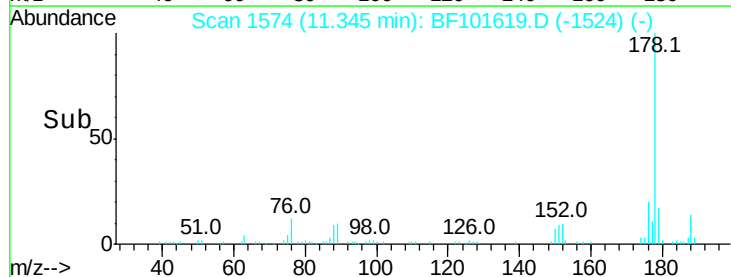
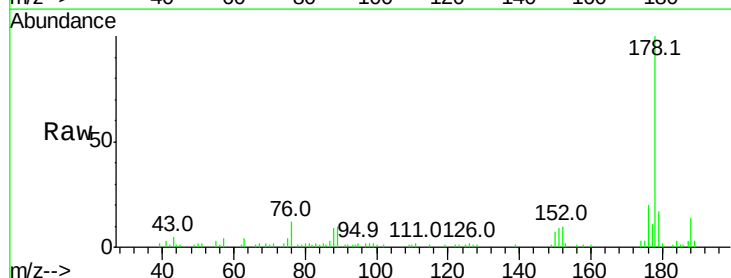
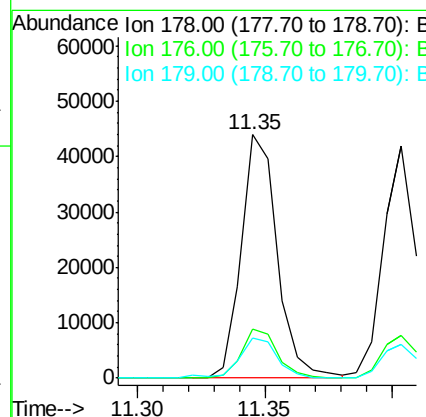
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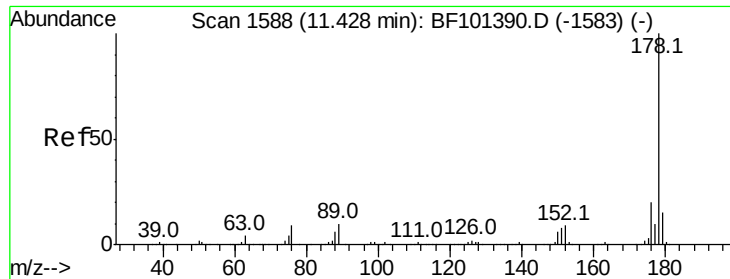
Sohil
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#70
Phenanthrene
Concen: 3.037 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.6	13.0	19.6





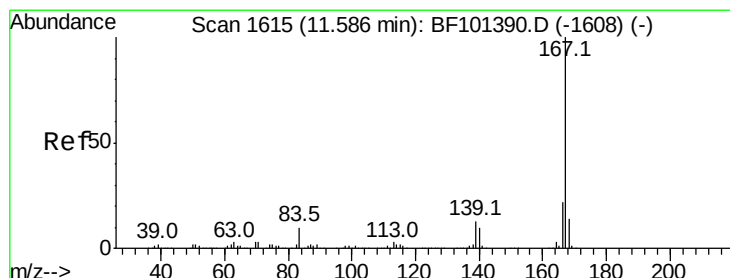
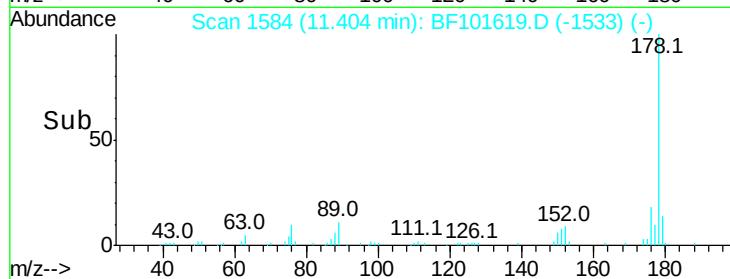
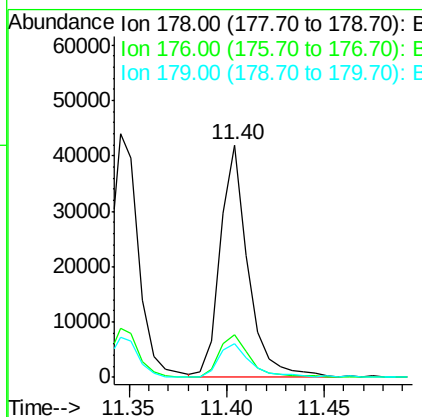
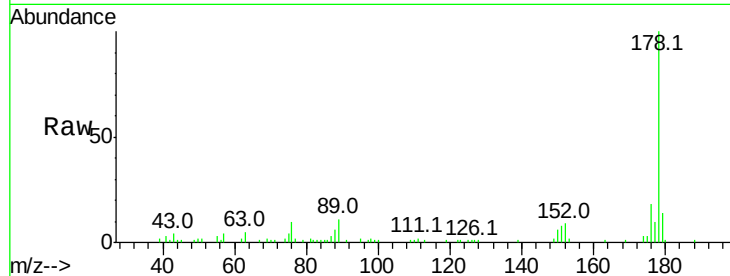
#71
 Anthracene
 Concen: 2.864 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.3	12.6	19.0

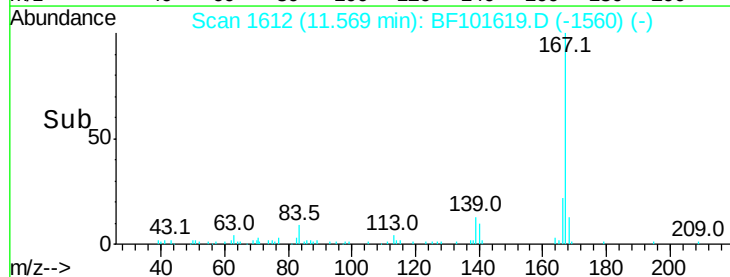
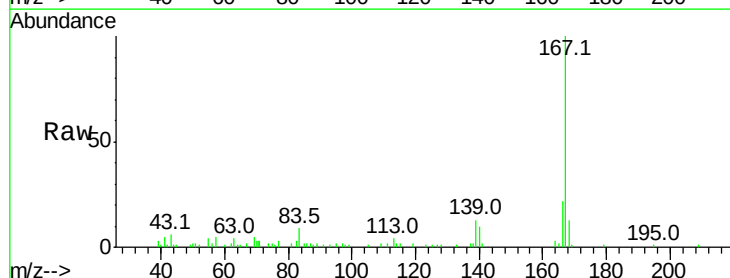
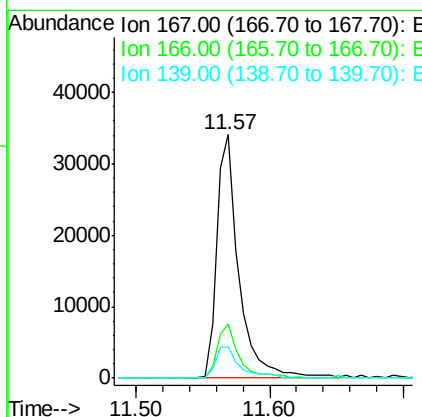
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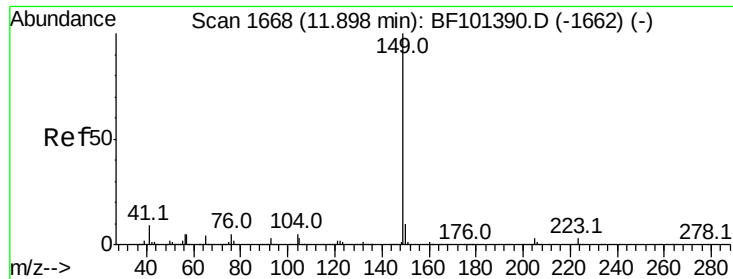
Sohil
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#72
 Carbazole
 Concen: 2.896 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.01 min
 Lab File: BF101619.D
 Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.7	10.9	16.3





#73

Di-n-butylphthalate

Concen: 3.316 ng

RT: 11.87 min Scan# 1663

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

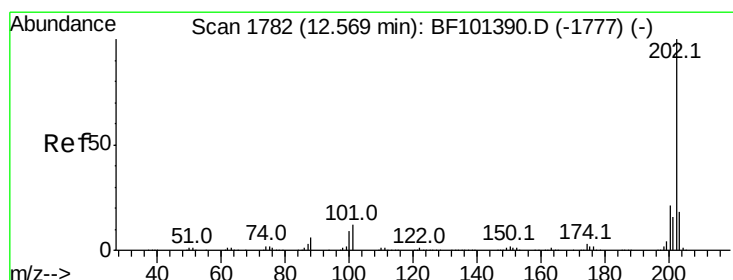
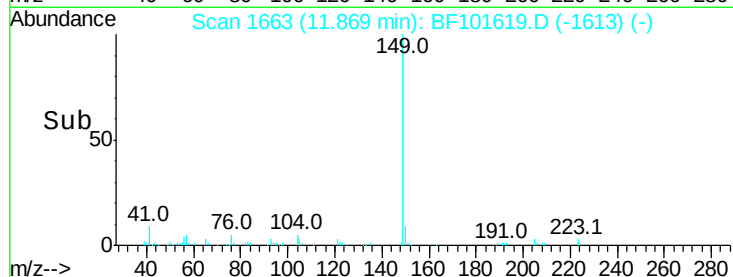
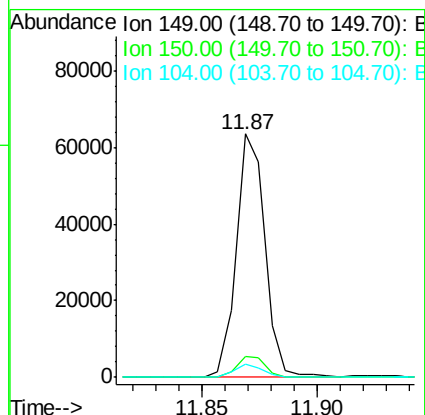
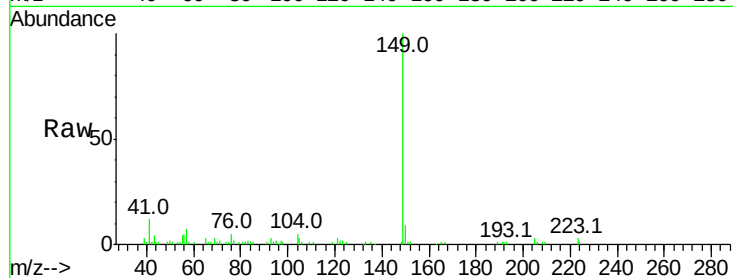
ClientSampleId :

HALSTED-WWMSD

Tot Ion:	149	Resp:	54970
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.8	11.6
104	5.2	3.8	5.8

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#74

Fluoranthene

Concen: 3.293 ng

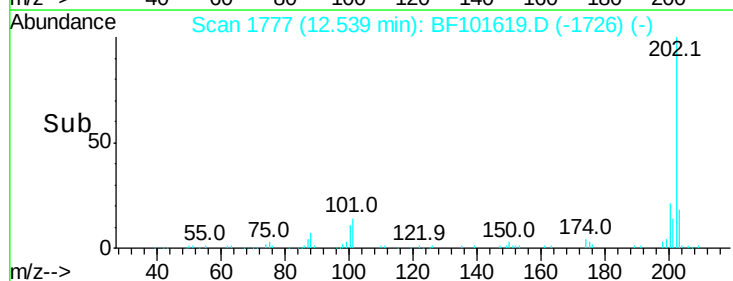
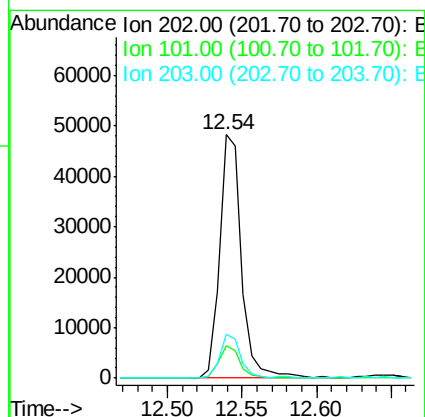
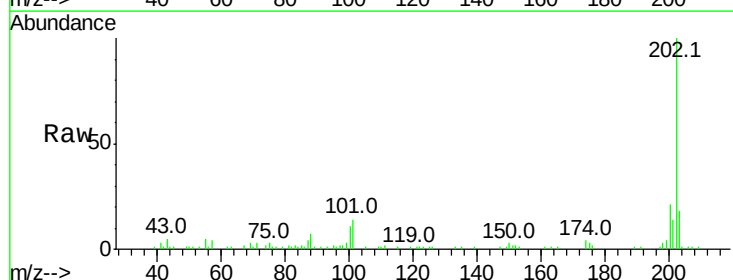
RT: 12.54 min Scan# 1777

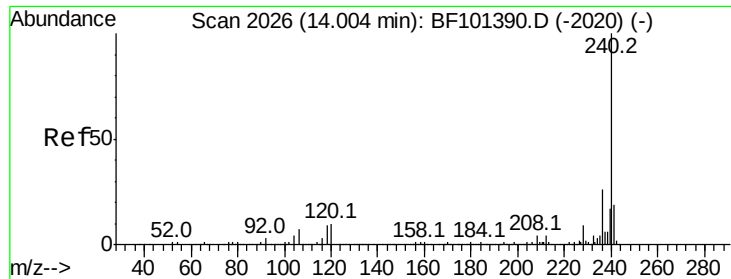
Delta R.T. 0.00 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion:	202	Resp:	49365
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

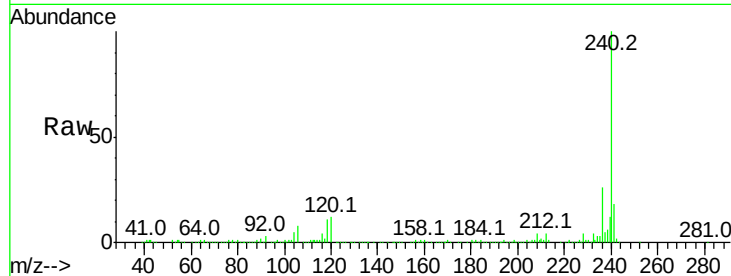
ClientSampleId :

HALSTED-WWMSD

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.97

300000

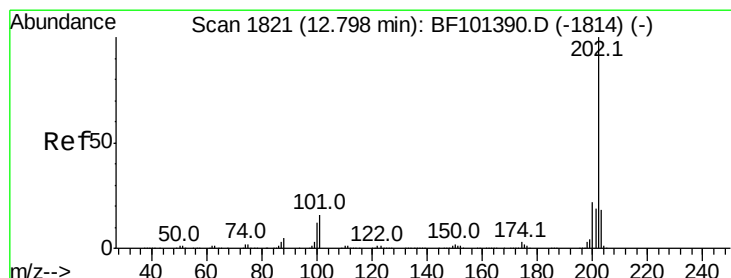
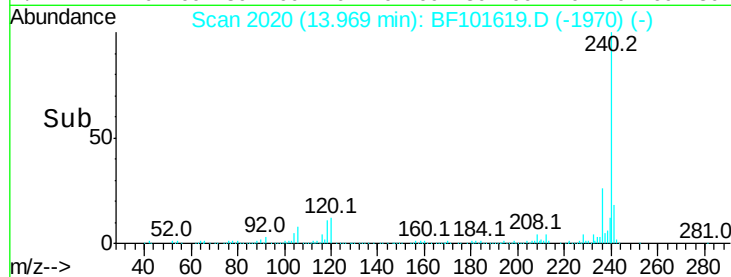
200000

100000

0

13.90 14.00 14.10

Time-->



#77

Pyrene

Concen: 2.319 ng

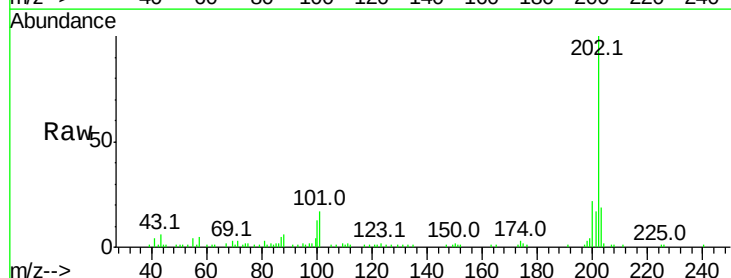
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.7	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.77

60000

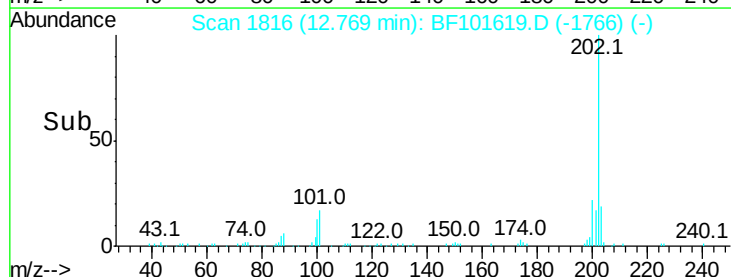
40000

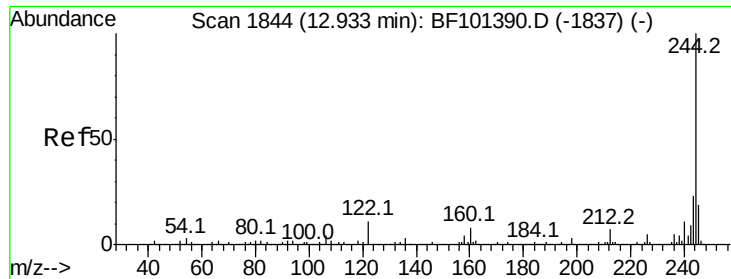
20000

0

12.70 12.75 12.80

Time-->





#78

Terphenyl-d14

Concen: 6.227 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Instrument :

BNA_F

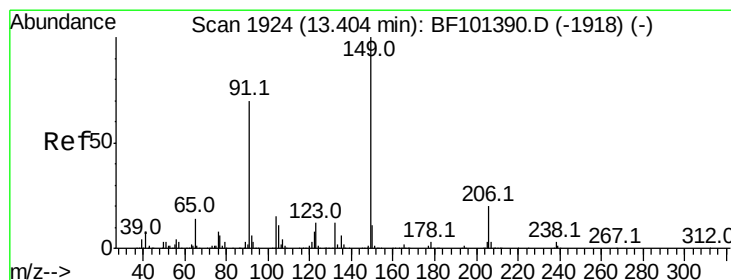
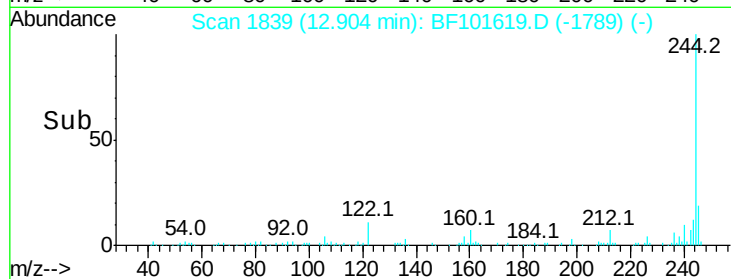
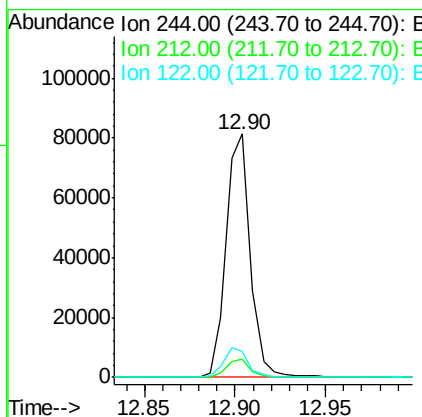
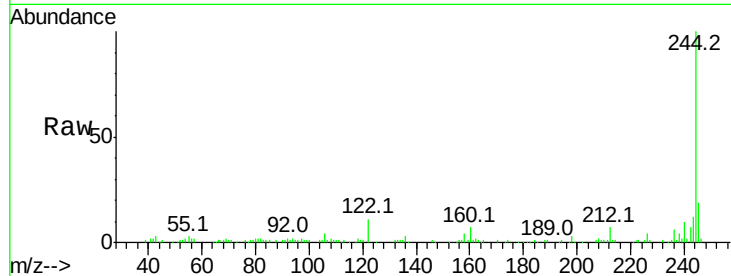
ClientSampleId :

HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.8	11.0	16.4

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#79

Butylbenzylphthalate

Concen: 2.525 ng

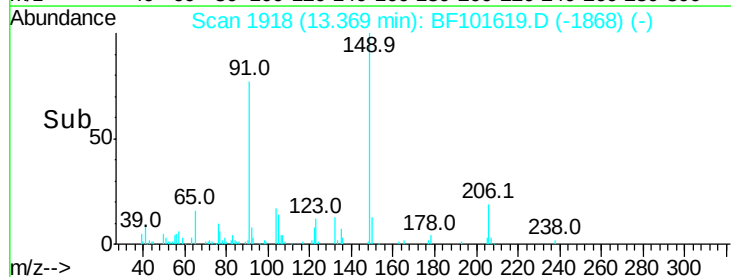
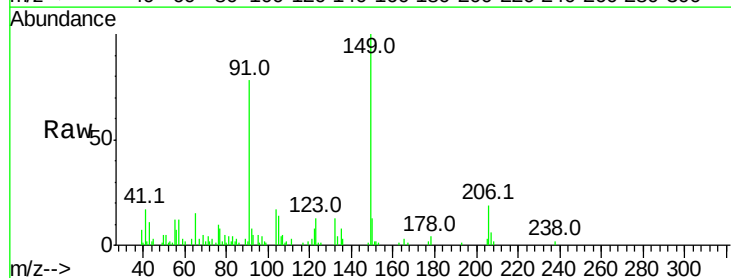
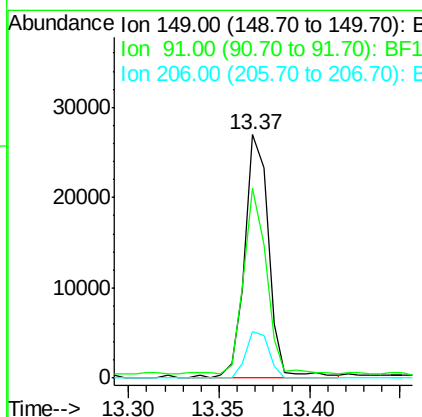
RT: 13.37 min Scan# 1918

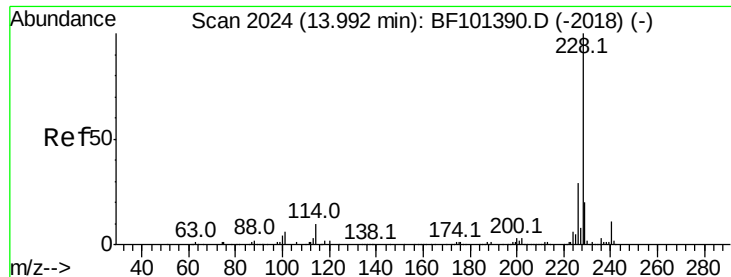
Delta R.T. -0.01 min

Lab File: BF101619.D

Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.0	56.8	85.2
206	19.1	14.1	21.1





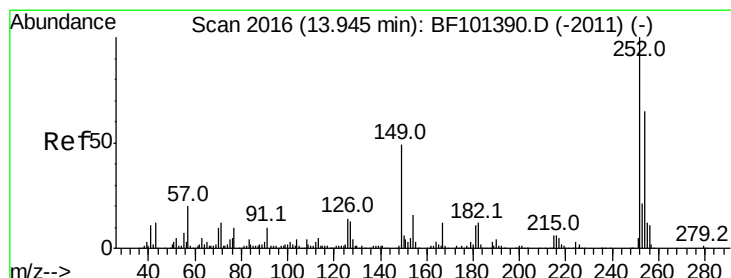
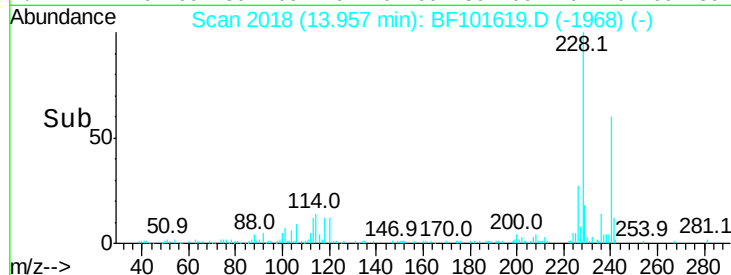
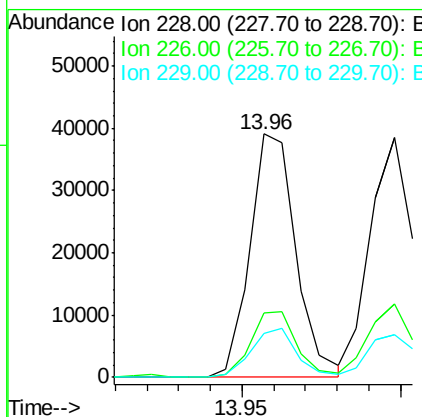
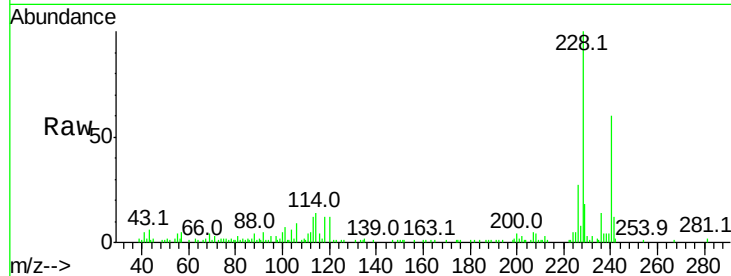
#80
Benzo(a)anthracene
Concen: 2.032 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion:	228	Resp:	39297
Ion Ratio	Lower	Upper	
228	100		
226	26.7	22.6	33.8
229	18.1	15.8	23.6

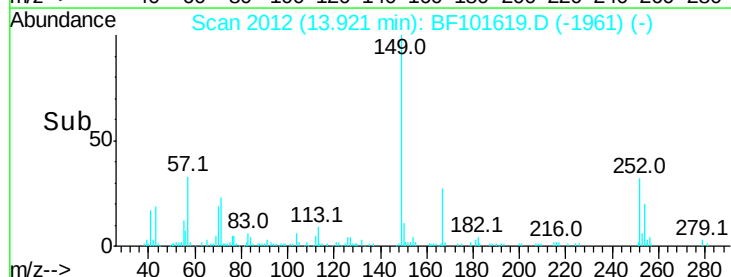
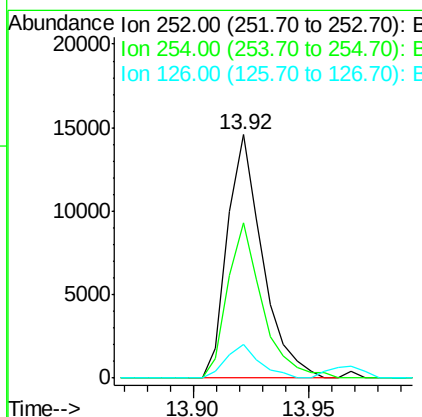
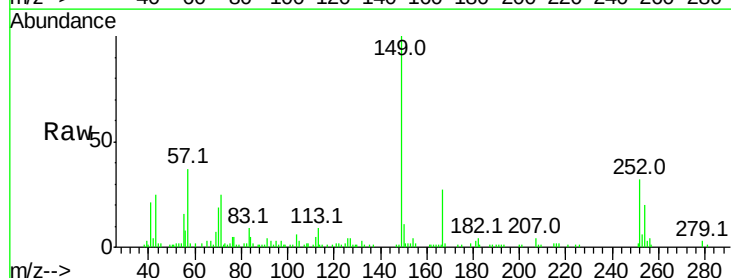
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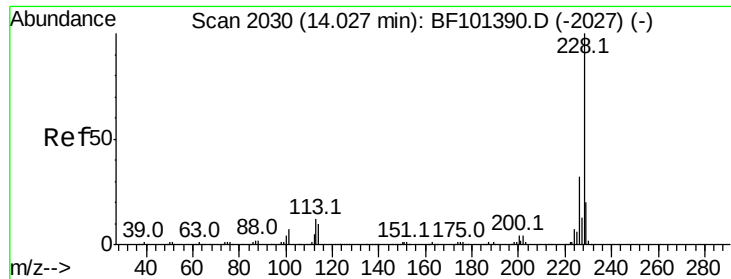
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#81
3,3'-Dichlorobenzidine
Concen: 2.445 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion:	252	Resp:	15421
Ion Ratio	Lower	Upper	
252	100		
254	63.6	50.4	75.6
126	14.1	11.3	16.9





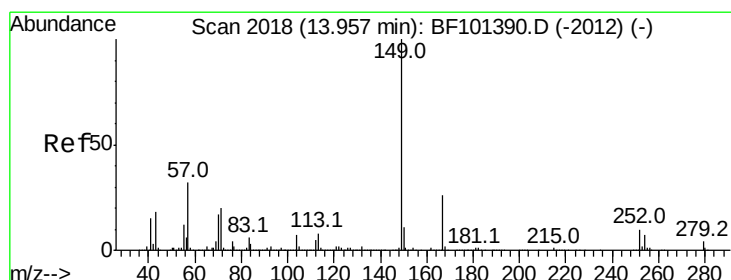
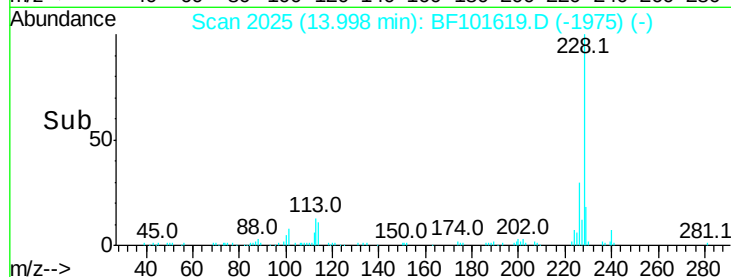
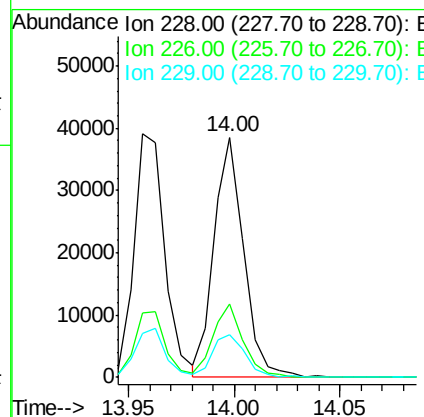
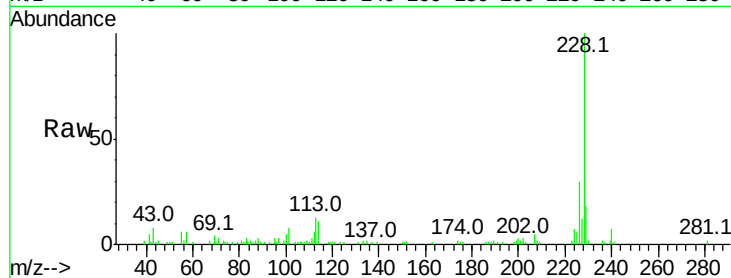
#82
Chrysene
Concen: 2.078 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	17.7	16.2	24.4

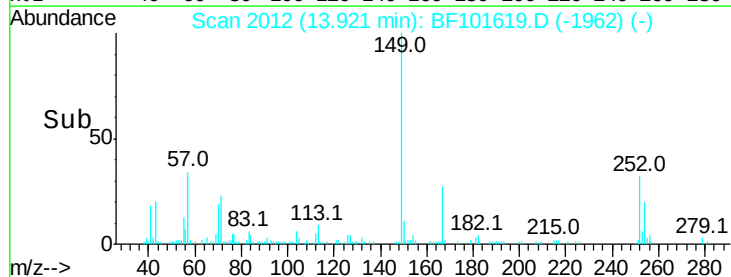
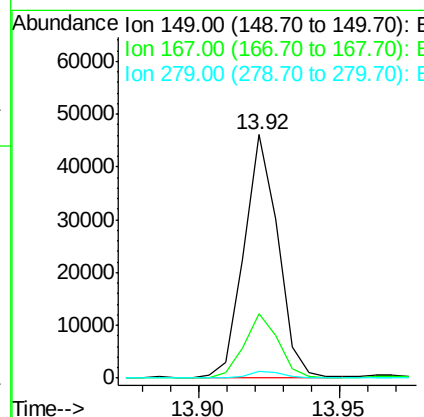
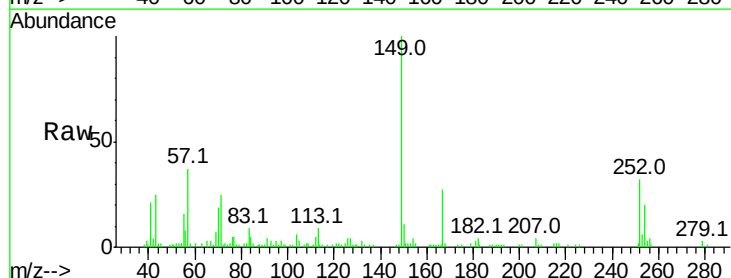
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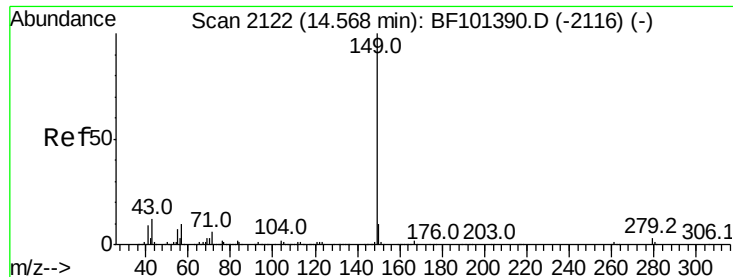
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.077 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.3	31.9
279	2.7	3.0	4.4#





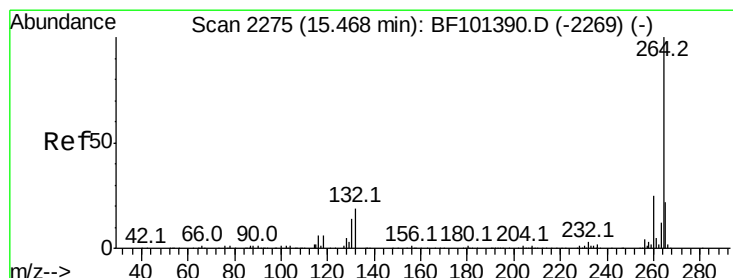
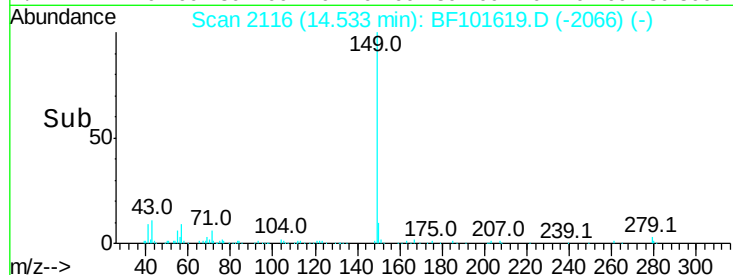
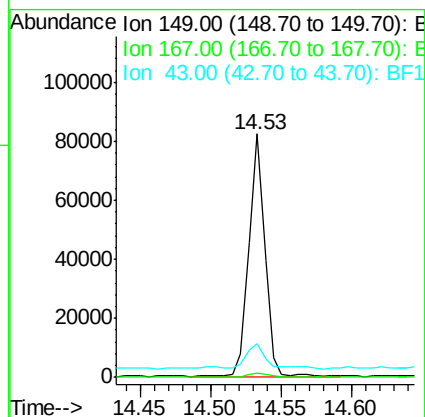
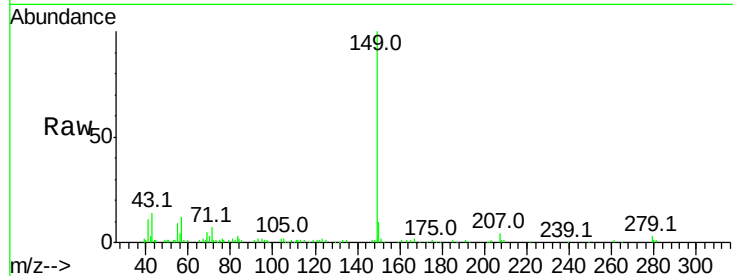
#84
Di-n-octyl phthalate
Concen: 2.903 ng
RT: 14.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	2.1	1.2	1.8	
43	12.8	8.4	12.6	

Manual Integrations
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101619.D
Acq: 21 Dec 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	19.2	28.8	
265	21.9	17.5	26.3	

