

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101604.D
 Acq On : 21 Dec 2017 14:02
 Operator : SJ/JU
 Sample : I6681-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:41:45 PM

Quant Time: Dec 22 11:22:57 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	6.79	152	149094	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	589880	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	247232	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	377011	20.00	ng	0.00
75) Chrysene-d12	13.99	240	205481	20.00	ng	0.02
86) Perylene-d12	15.46	264	252178	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1029245	102.83	ng	0.01
7) Phenol-d6	6.45	99	1196030	96.01	ng	0.00
23) Nitrobenzene-d5	7.37	82	779540	73.56	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	222517	93.41	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1194181	74.93	ng	0.00
78) Terphenyl-d14	12.91	244	824235	96.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	150224	29.209	ng	96
3) Pyridine	3.34	79	376930	26.378	ng	95
4) n-Nitrosodimethylamine	3.29	42	195258	29.678	ng	100
6) Aniline	6.47	93	185217	10.699	ng	# 68
8) 2-Chlorophenol	6.59	128	327806	31.134	ng	97
9) Benzaldehyde	6.35	77	191327	20.797	ng	94
10) Phenol	6.46	94	444582	31.313	ng	94
11) bis(2-Chloroethyl)ether	6.53	93	353395	31.732	ng	93
12) 1,3-Dichlorobenzene	6.73	146	360726	30.356	ng	97
13) 1,4-Dichlorobenzene	6.81	146	364504	30.038	ng	99
14) 1,2-Dichlorobenzene	6.96	146	332966	30.483	ng	99
15) Benzyl Alcohol	6.95	79	250287	29.191	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	559926	32.852	ng	61
17) 2-Methylphenol	7.06	107	270007	27.878	ng	# 89
18) Hexachloroethane	7.30	117	127833	30.299	ng	97
19) n-Nitroso-di-n-propylamine	7.21	70	243858	29.809	ng	91
20) 3+4-Methylphenols	7.22	107	374532	36.493	ng	# 87
22) Acetophenone	7.21	105	474675	35.266	ng	# 95
24) Nitrobenzene	7.39	77	375549	32.022	ng	97
25) Isophorone	7.62	82	676126	31.806	ng	97
26) 2-Nitrophenol	7.70	139	178339	35.395	ng	97
27) 2,4-Dimethylphenol	7.74	122	293187	34.251	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	421056	31.181	ng	99
29) 2,4-Dichlorophenol	7.96	162	279141	33.008	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	272159	30.496	ng	97
31) Naphthalene	8.10	128	969082	32.633	ng	99
32) Benzoic acid	7.86	122	51837	15.458	ng	89
33) 4-Chloroaniline	8.17	127	108209	8.384	ng	97
34) Hexachlorobutadiene	8.20	225	156515	30.323	ng	98
35) Caprolactam	8.53	113	90277m	30.744	ng	
36) 4-Chloro-3-methylphenol	8.65	107	282136	30.354	ng	98
37) 2-Methylnaphthalene	8.79	142	659318	34.077	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	275454	33.000	ng	98
40) Hexachlorocyclopentadiene	8.93	237	1231m	12.329	ng	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	175764	34.976	nq	99
43) 2,4,5-Trichlorophenol	9.13	196	171867	31.235	nq	95
45) 1,1'-Biphenyl	9.26	154	725874	33.106	nq	99
46) 2-Chloronaphthalene	9.29	162	519788	30.983	nq	96
47) 2-Nitroaniline	9.39	65	190652	32.896	nq	89
48) Acenaphthylene	9.70	152	891192	33.632	nq	100
49) Dimethylphthalate	9.56	163	679398	34.164	nq	99
50) 2,6-Dinitrotoluene	9.63	165	126518	31.303	nq	95
51) Acenaphthene	9.87	154	544264	34.187	nq	99
52) 3-Nitroaniline	9.80	138	96441	19.139	nq	99
53) 2,4-Dinitrophenol	9.95	184	12409	17.998	nq #	33
54) Dibenzofuran	10.04	168	678174	33.520	nq	97
55) 4-Nitrophenol	9.99	139	133723	60.859	nq	93
56) 2,4-Dinitrotoluene	10.05	165	152991	33.597	nq #	75
57) Fluorene	10.39	166	653937	38.208	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.17	232	124090	31.390	nq	90
59) Diethylphthalate	10.25	149	586504	29.782	nq	98
60) 4-Chlorophenyl-phenylether	10.37	204	252784	30.818	nq	89
61) 4-Nitroaniline	10.42	138	106307	20.988	nq	97
62) Azobenzene	10.53	77	576924	28.280	nq	92
64) 4,6-Dinitro-2-methylphenol	10.47	198	14011m	7.283	nq	
65) n-Nitrosodiphenylamine	10.49	169	480517	34.518	nq	99
66) 4-Bromophenyl-phenylether	10.86	248	150951	35.634	nq #	87
67) Hexachlorobenzene	10.94	284	135949	30.322	nq	93
68) Atrazine	11.02	200	147204	35.463	nq	98
69) Pentachlorophenol	11.15	266	96938	57.599	nq	98
70) Phenanthrene	11.36	178	2090733	99.719	nq	99
71) Anthracene	11.40	178	1125834	52.569	nq	100
72) Carbazole	11.56	167	620276	30.935	nq	99
73) Di-n-butylphthalate	11.87	149	795857	32.702	nq	100
74) Fluoranthene	12.56	202	3453558	156.930	nq	96
76) Benzidine	12.67	184	43992	5.069	nq	96
77) Pyrene	12.80	202	3380171	219.188	nq	99
79) Butylbenzylphthalate	13.38	149	266865	38.245	nq #	94
80) Benzo(a)anthracene	13.98	228	2749416	202.636	nq	96
81) 3,3'-Dichlorobenzidine	13.94	252	120899	27.327	nq #	97
82) Chrysene	14.02	228	2258072	176.262	nq	96
83) Bis(2-ethylhexyl)phthalate	13.93	149	353134	39.956	nq	99
84) Di-n-octyl phthalate	14.54	149	598774	37.988	nq #	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	1590600	139.428	nq	93
87) Benzo(b)fluoranthene	15.05	252	3603872m	234.462	nq	
88) Benzo(k)fluoranthene	15.07	252	785988m	52.593	nq	
89) Benzo(a)pyrene	15.42	252	2359012	166.483	nq	96
90) Dibenzo(a,h)anthracene	16.96	278	614601	50.518	nq	94
91) Benzo(g,h,i)perylene	17.42	276	1401548	116.342	nq	93

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

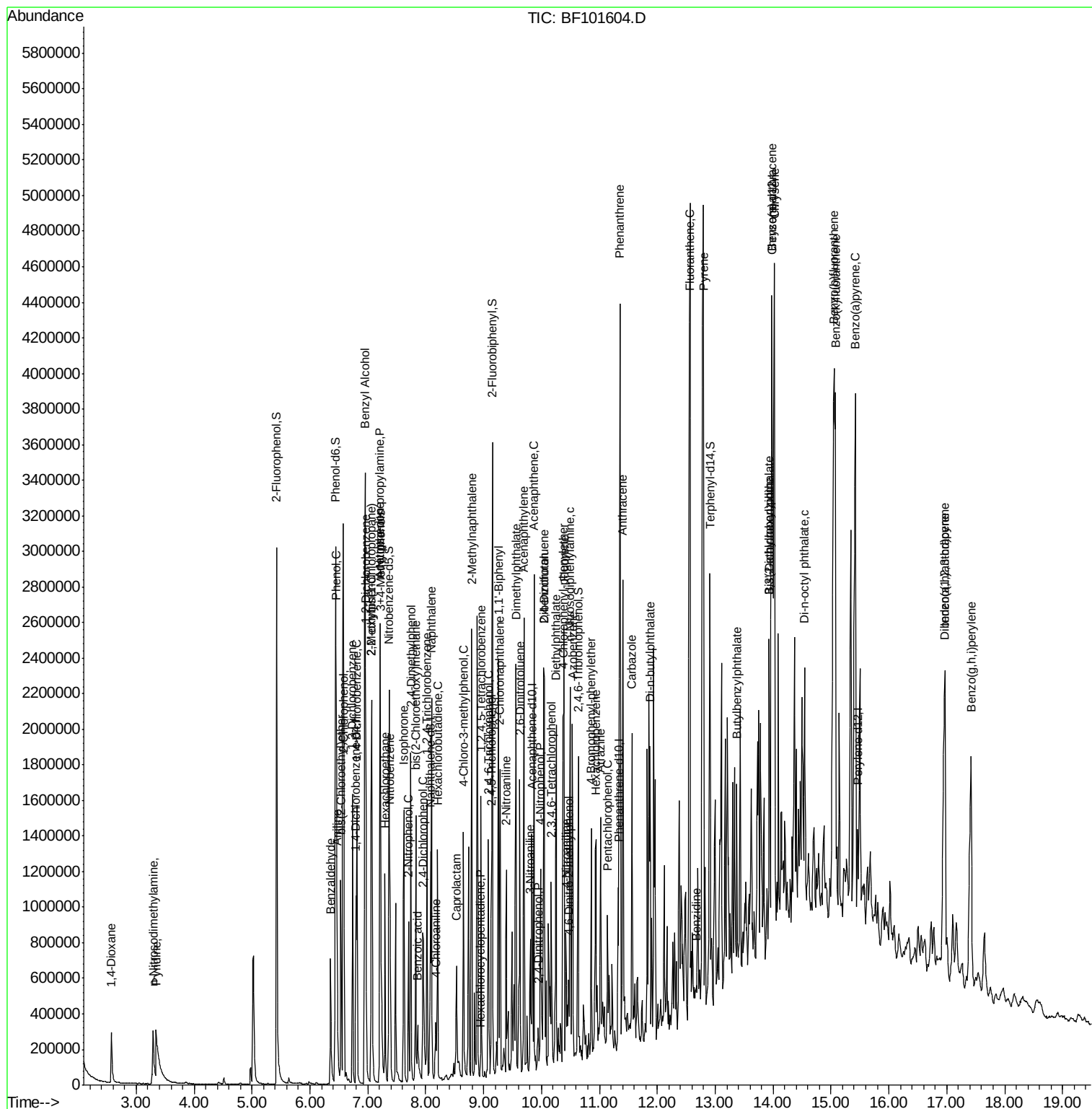
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Sample    : I6681-01MS  
Misc      :  
ALS Vial  : 8      Sample Multiplier: 1
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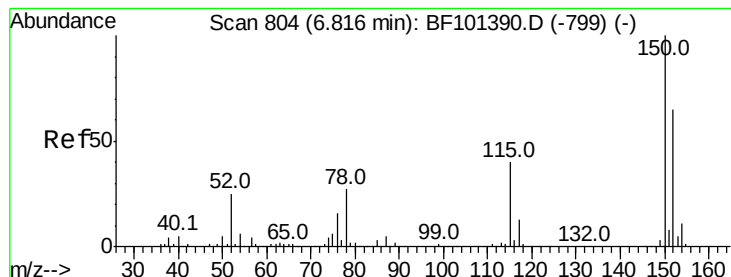
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#1

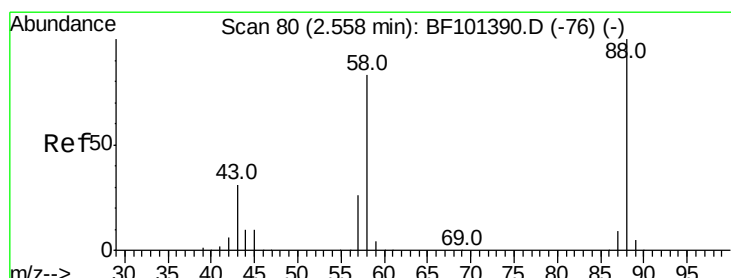
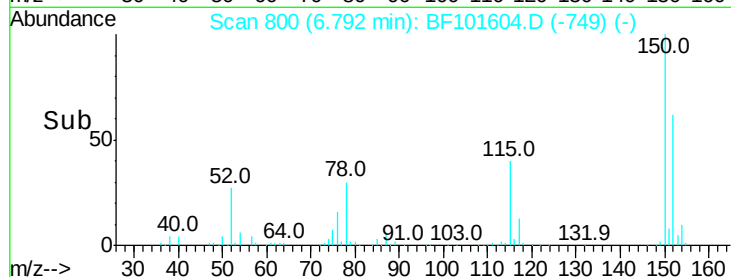
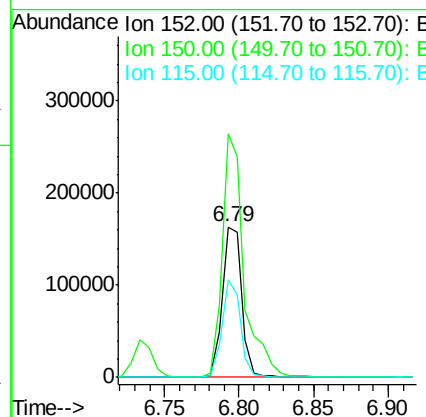
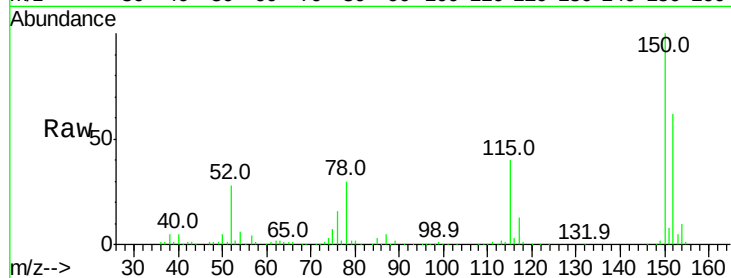
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.6	186.8
115	64.8	50.1	75.1

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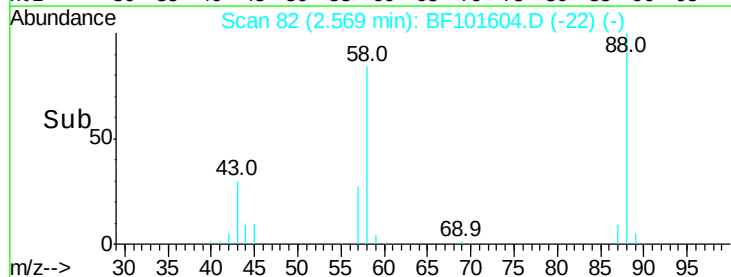
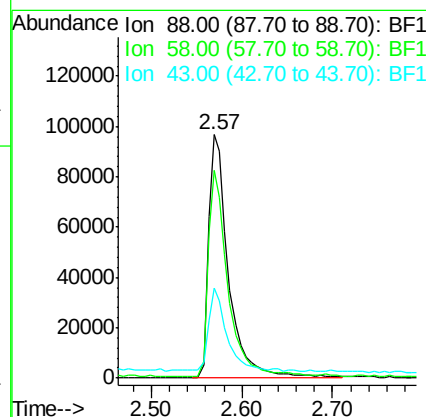
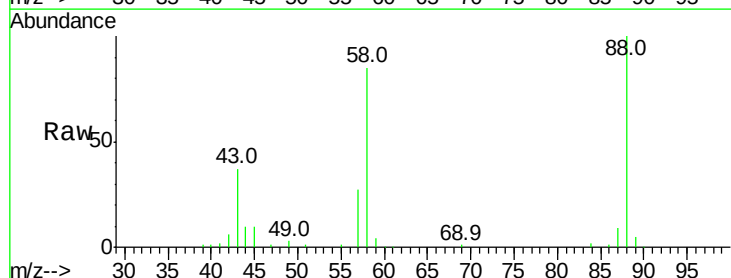
Sohil
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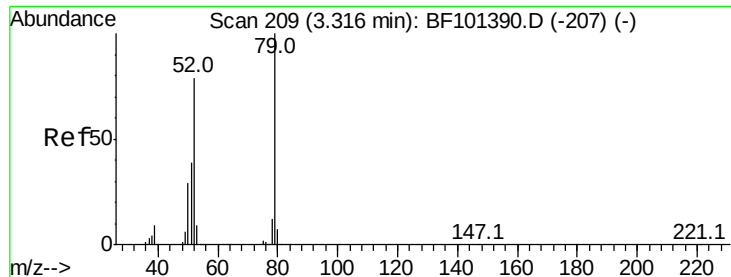


#2

1,4-Dioxane
Concen: 29.209 ng
RT: 2.57 min Scan# 82
Delta R.T. 0.05 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.6	62.6	93.8
43	29.2	24.6	37.0





#3

Pvridine

Concen: 26.378 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.06 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

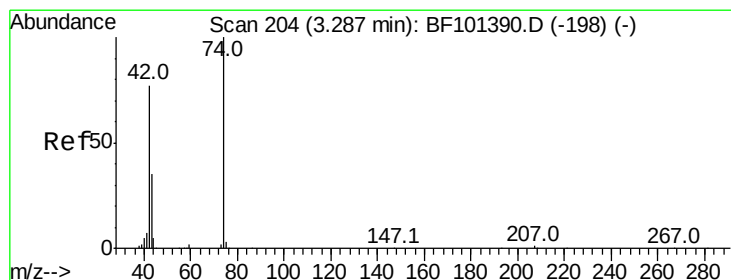
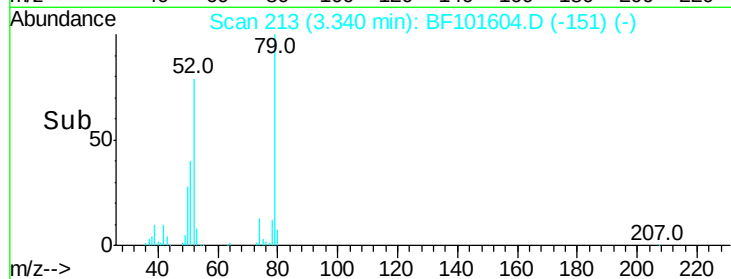
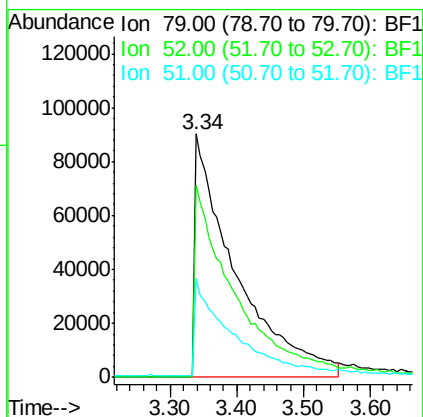
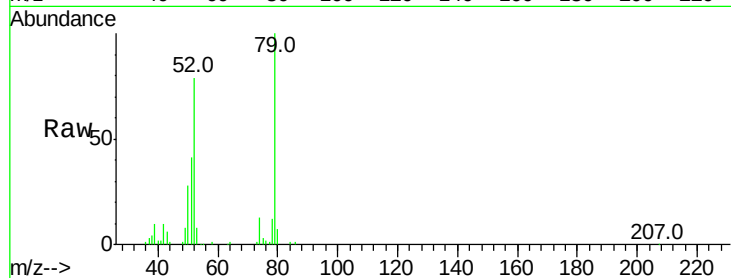
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	79	Resp:	376930
Ion Ratio	Lower	Upper	
79	100		
52	79.2	59.8	89.6
51	40.6	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 29.678 ng

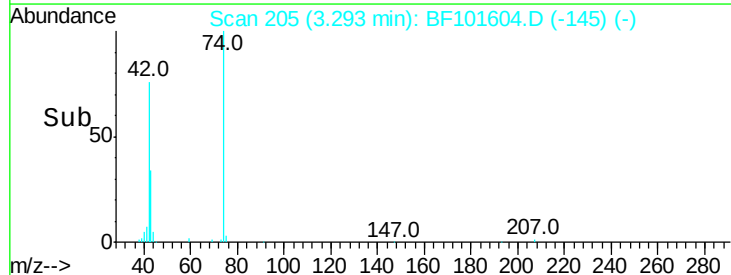
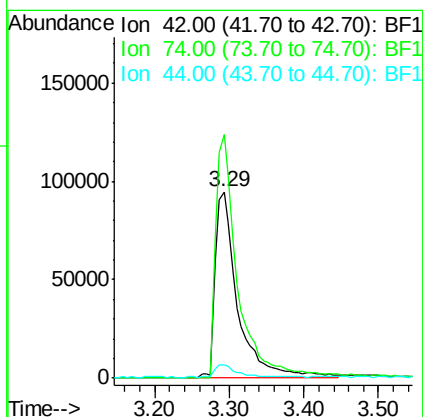
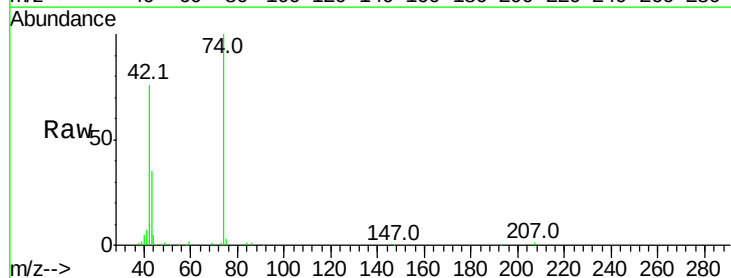
RT: 3.29 min Scan# 205

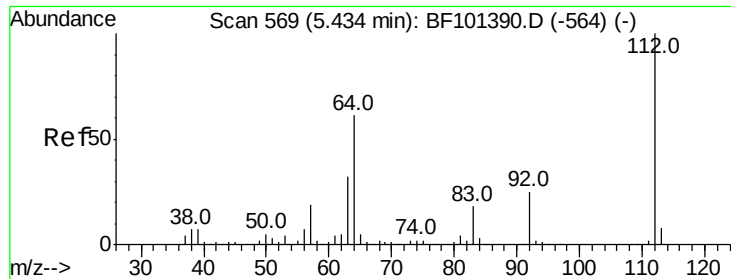
Delta R.T. 0.05 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	42	Resp:	195258
Ion Ratio	Lower	Upper	
42	100		
74	130.9	104.9	157.3
44	6.9	6.9	10.3





#5

2-Fluorophenol

Concen: 102.831 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-AMS

Tot Ion: 112 Resp: 1029245

Ion Ratio Lower Upper

112 100

64 64.3 47.9 71.9

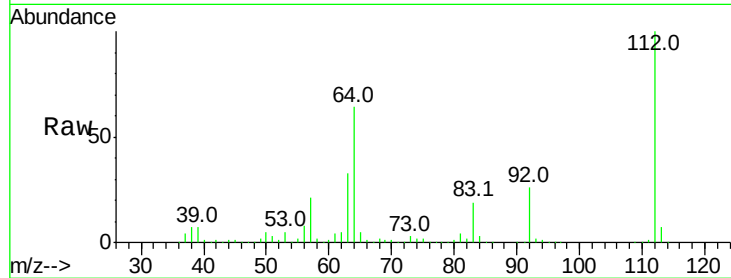
63 33.2 23.7 35.5

Manual Integrations

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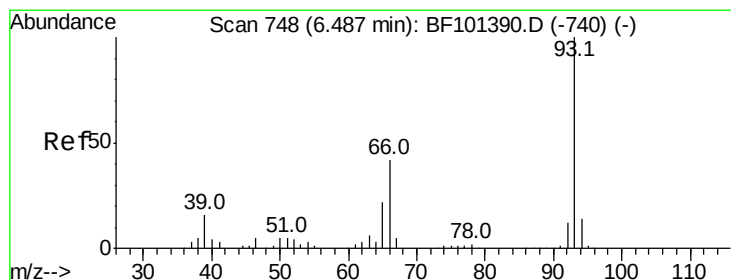
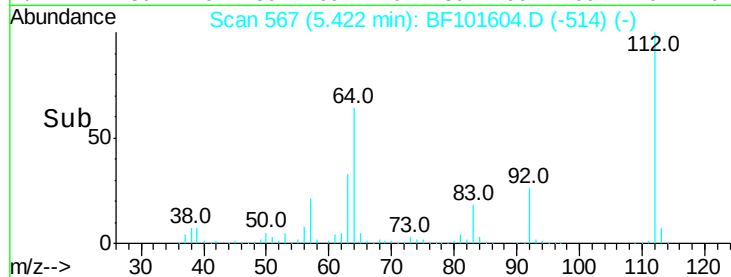
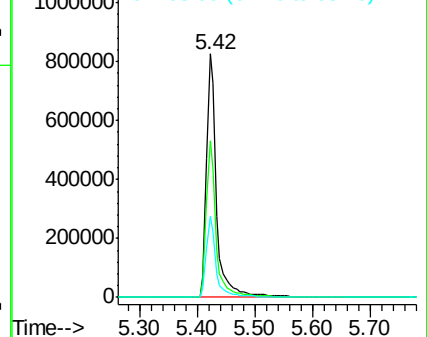
12/22/2017 12:41:45 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.699 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

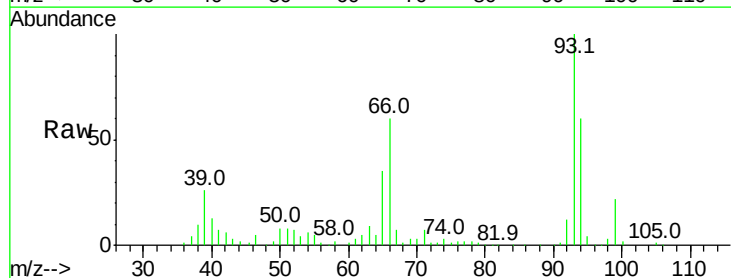
Tgt Ion: 93 Resp: 185217

Ion Ratio Lower Upper

93 100

66 59.8 32.2 48.2#

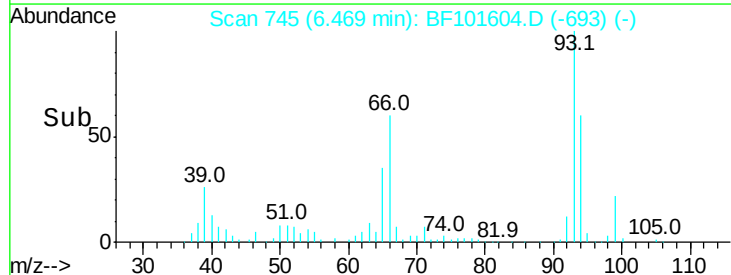
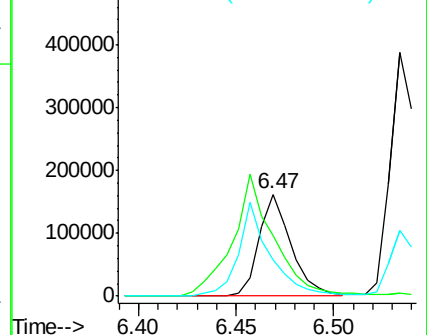
65 35.2 16.4 24.6#

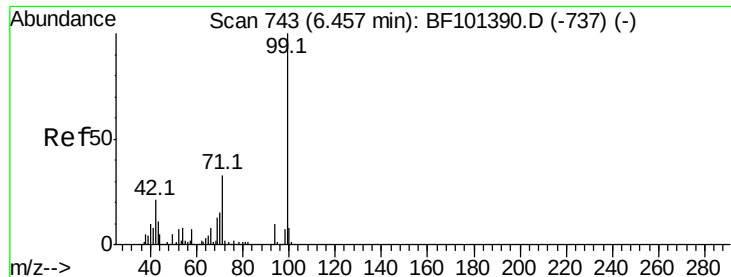


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.015 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-AMS

Tot Ion: 99 Resp: 1196030

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

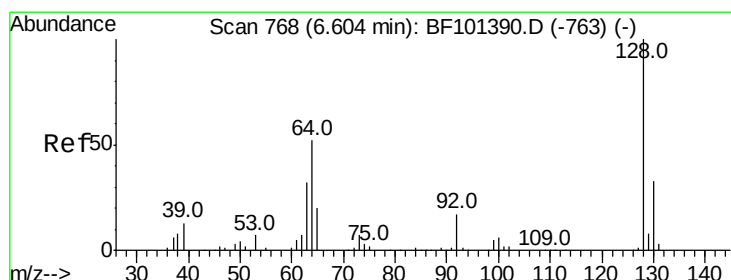
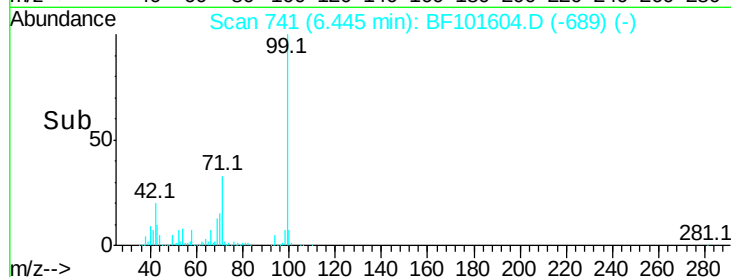
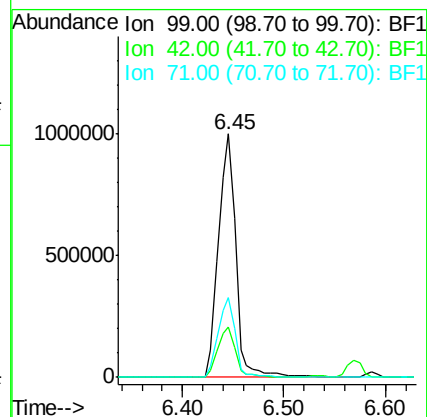
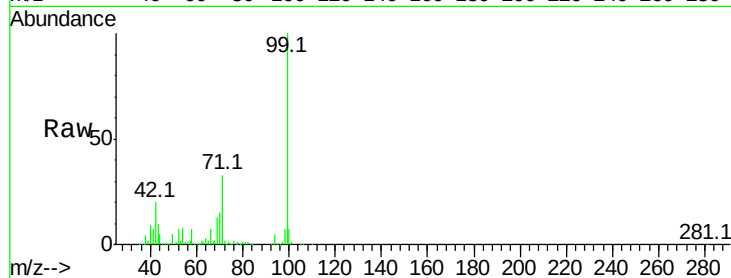
71 33.0 25.4 38.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 31.134 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

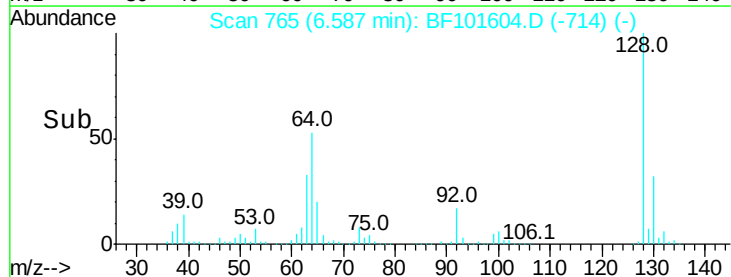
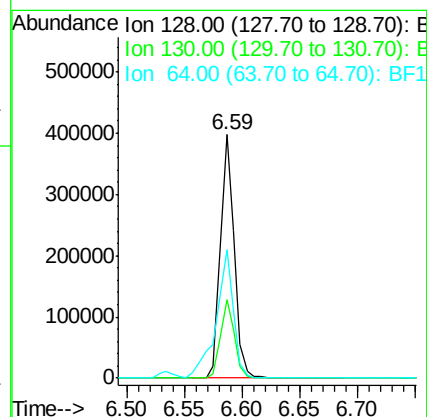
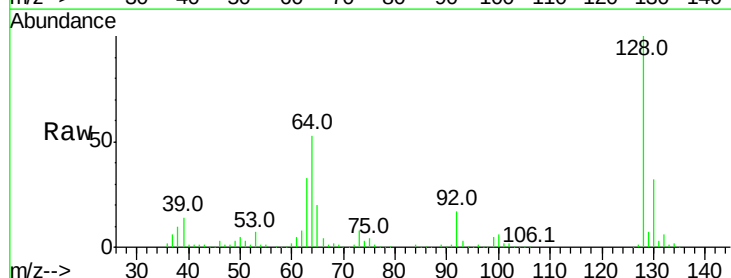
Tgt Ion: 128 Resp: 327806

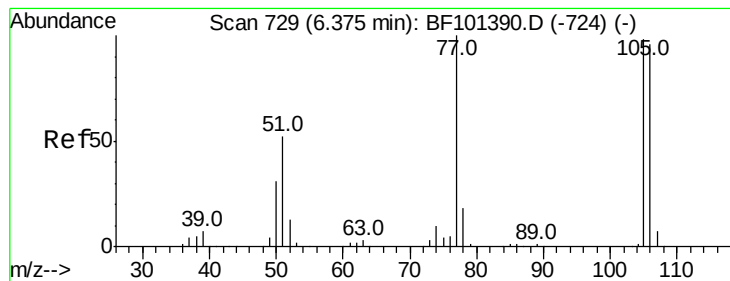
Ion Ratio Lower Upper

128 100

130 32.4 13.0 53.0

64 52.6 29.4 69.4





#9

Benzaldehyde

Concen: 20.797 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

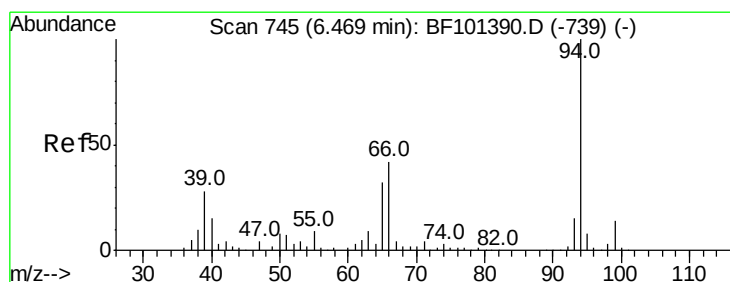
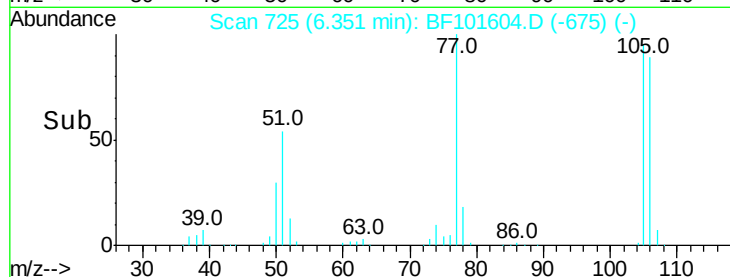
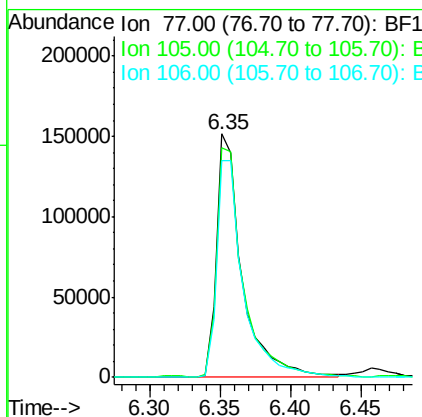
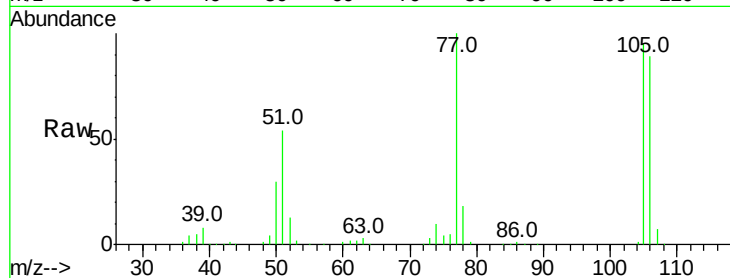
ClientSampleId :

PL-01-121917-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		191327		
105	94.5	81.1	121.1		
106	89.2	74.5	114.5		

Manual Integrations
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#10

Phenol

Concen: 31.313 ng

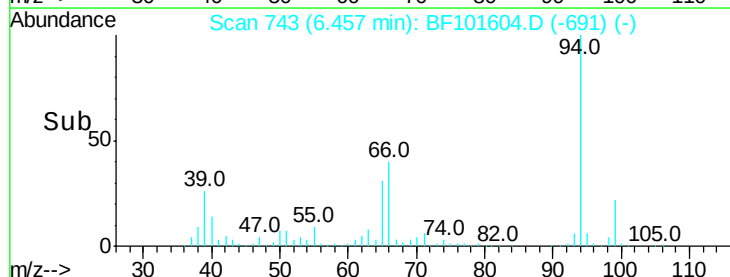
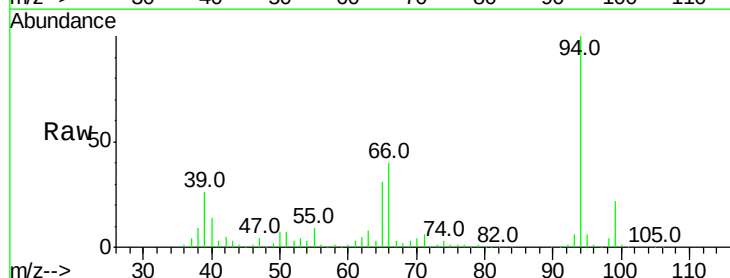
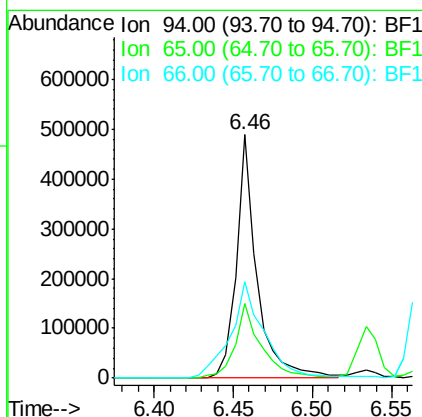
RT: 6.46 min Scan# 743

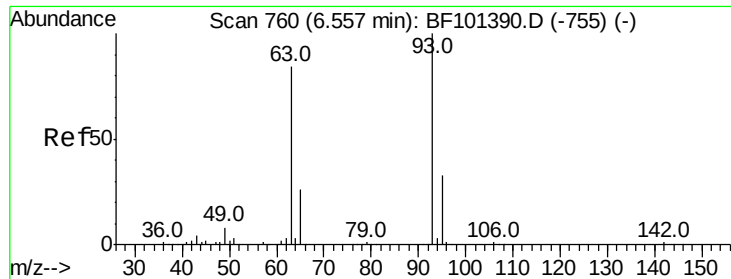
Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		444582		
65	30.5	7.9	47.9		
66	39.7	16.2	56.2		





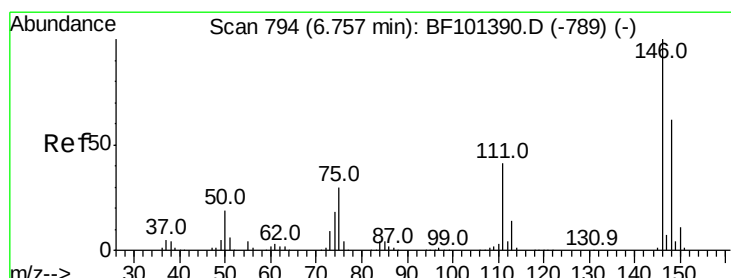
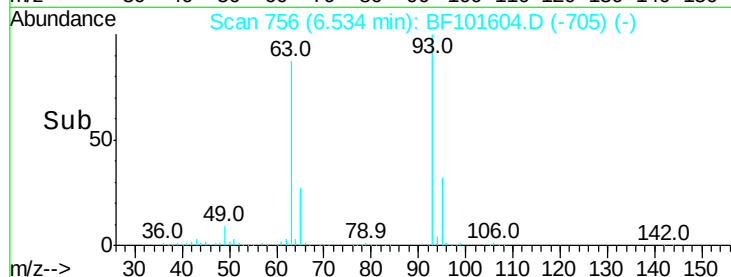
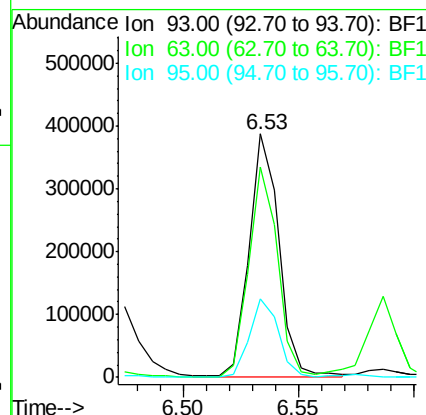
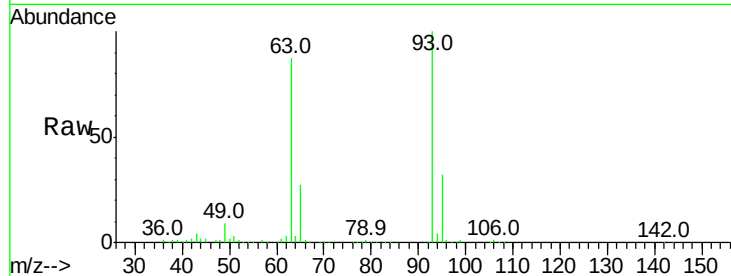
#11
bis(2-Chloroethyl)ether
Concen: 31.732 ng
RT: 6.53 min Scan# 756
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	86.5	58.6	98.6
95	32.1	11.8	51.8

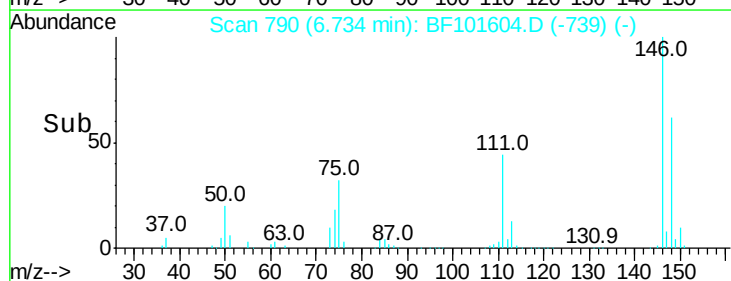
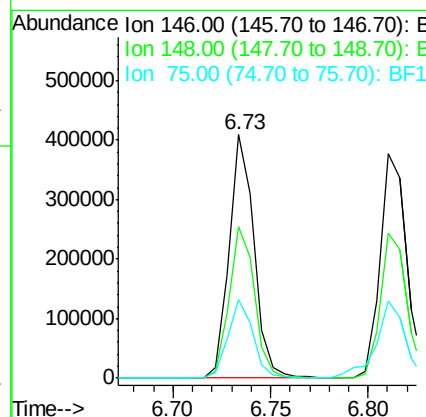
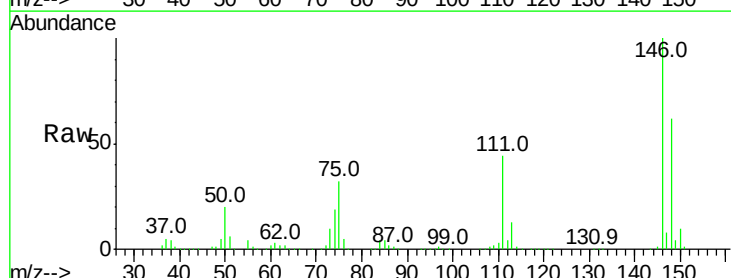
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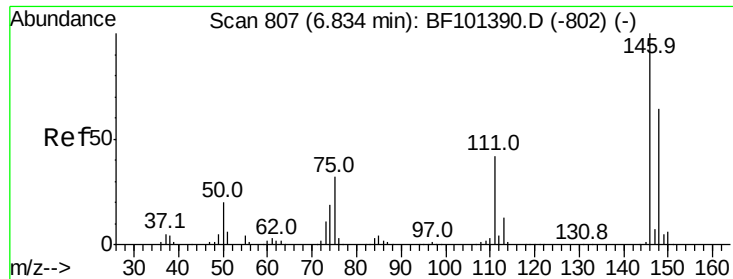
Sohil
12/22/2017 12:41:45 PM



#12
1,3-Dichlorobenzene
Concen: 30.356 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.8	77.8
75	32.2	24.2	36.4





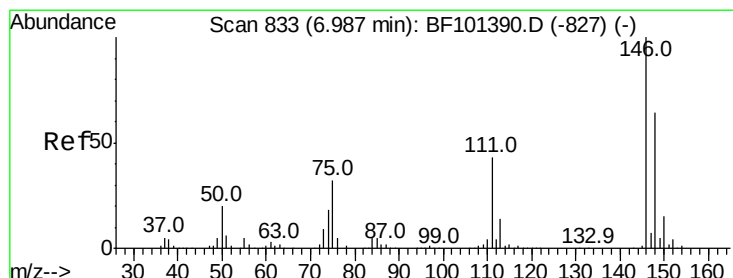
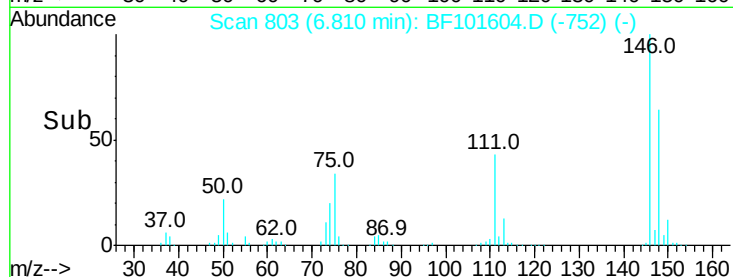
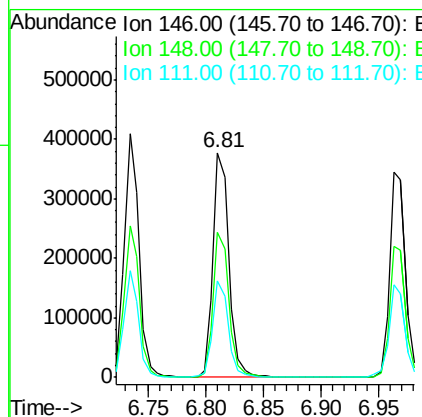
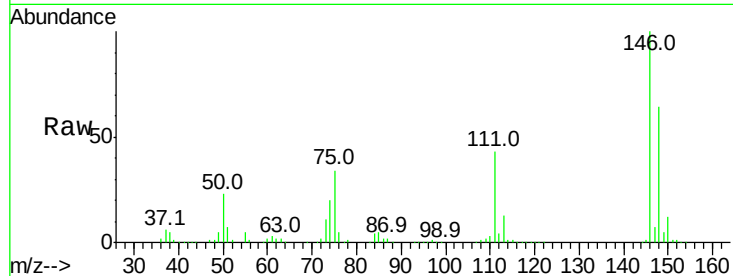
#13
 1,4-Dichlorobenzene
 Concen: 30.038 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	42.8	34.2	51.2

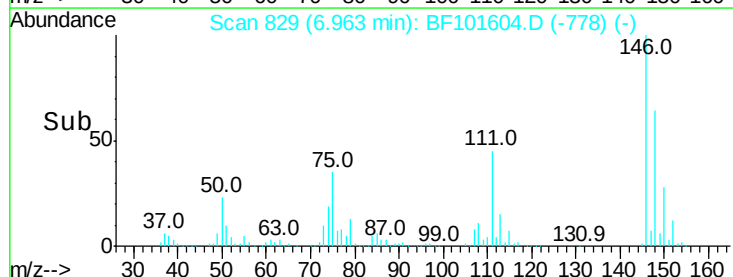
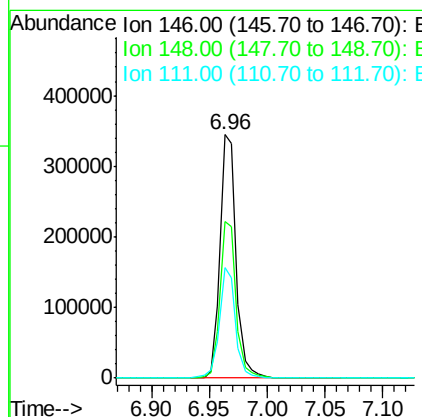
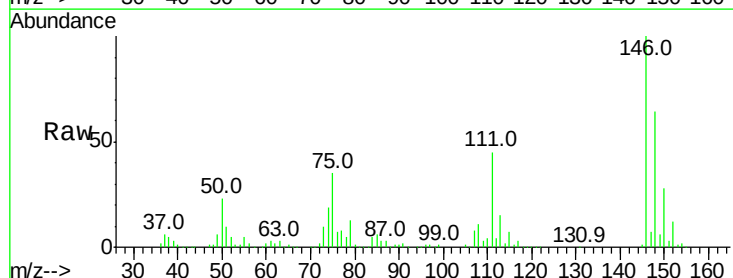
Manual Integrations
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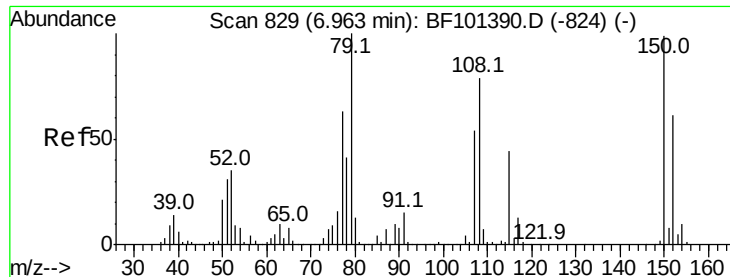
Sohil
 12/22/2017 12:41:45 PM



#14
 1,2-Dichlorobenzene
 Concen: 30.483 ng
 RT: 6.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
111	45.1	36.0	54.0





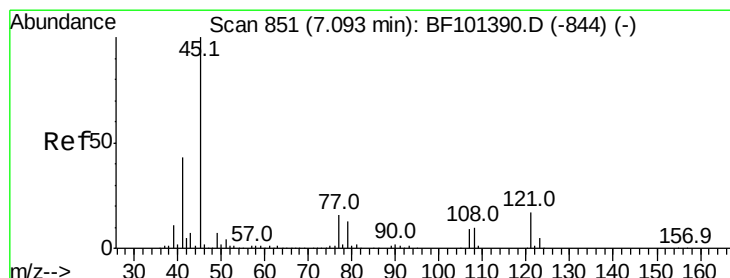
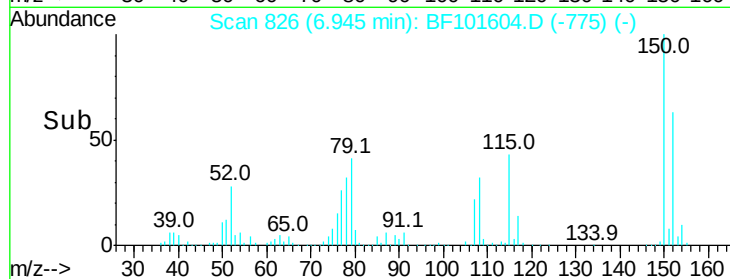
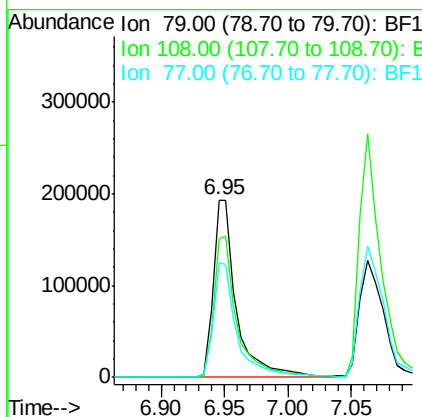
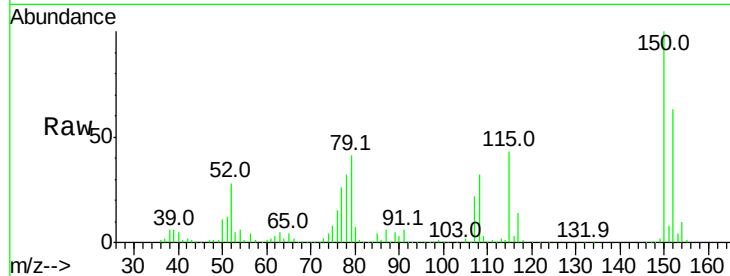
#15
Benzyl Alcohol
Concen: 29.191 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.9	65.1	97.7
77	64.1	50.6	75.8

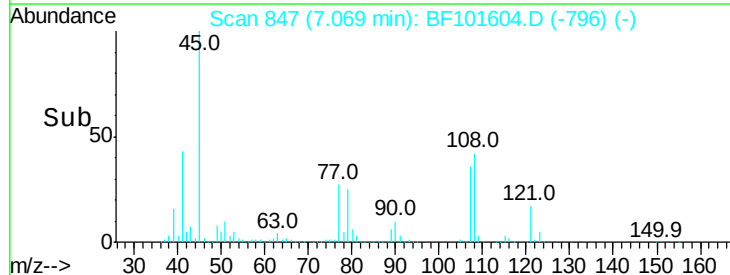
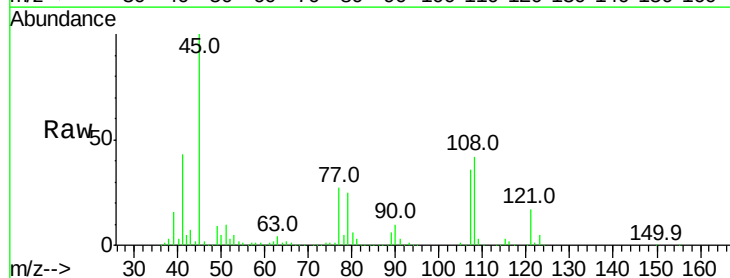
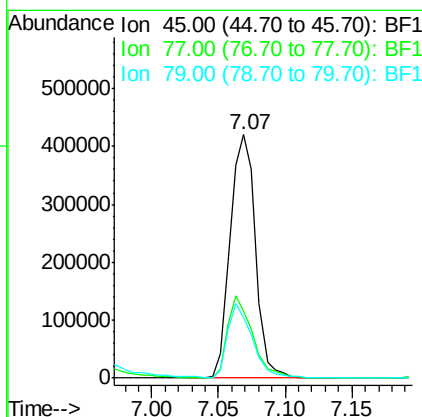
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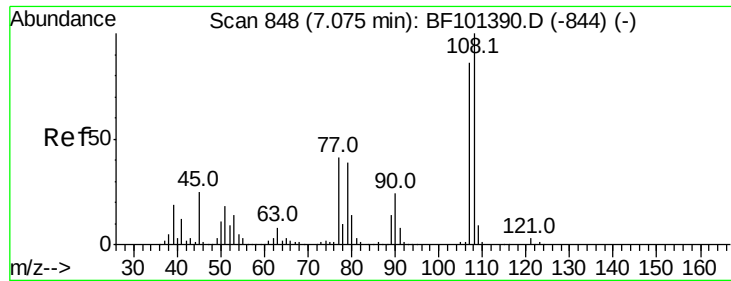
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#16
2,2'-oxybis(1-chloropropane)
Concen: 32.852 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
45	100		
77	27.4	0.0	32.9
79	24.8	0.0	29.6





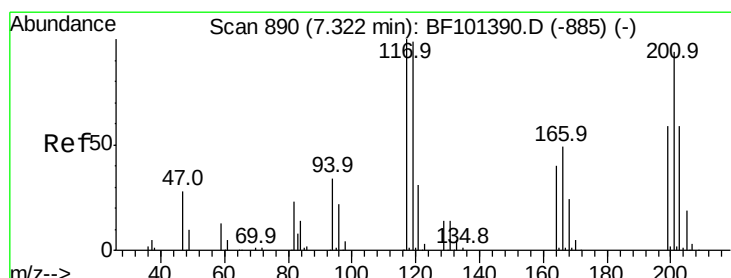
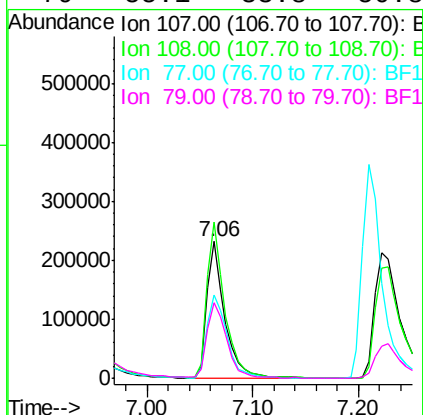
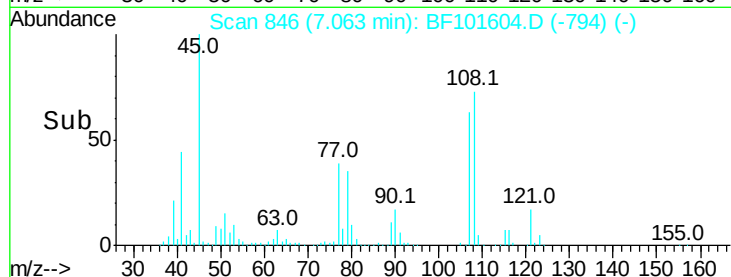
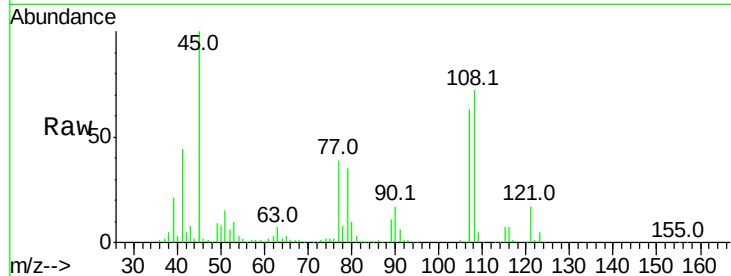
#17
2-Methylphenol
Concen: 27.878 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	270007		
108	114.3	91.7	137.5	
77	61.2	33.8	50.8#	
79	55.1	33.8	50.8#	

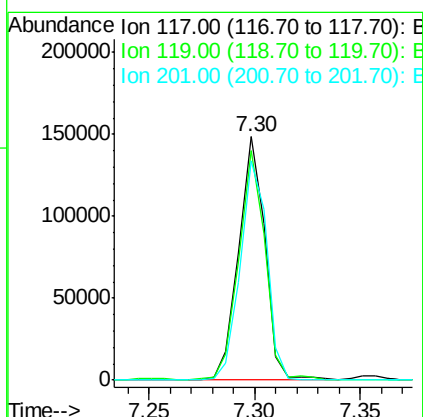
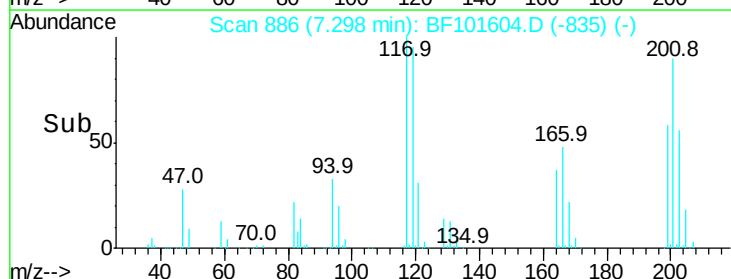
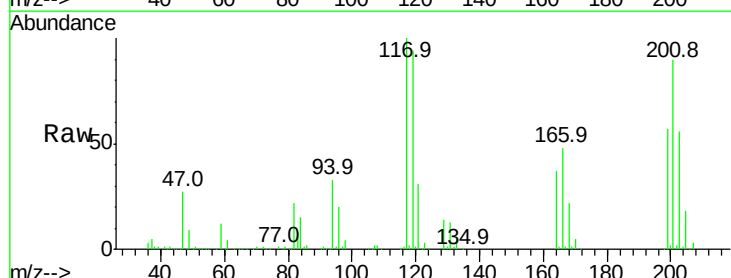
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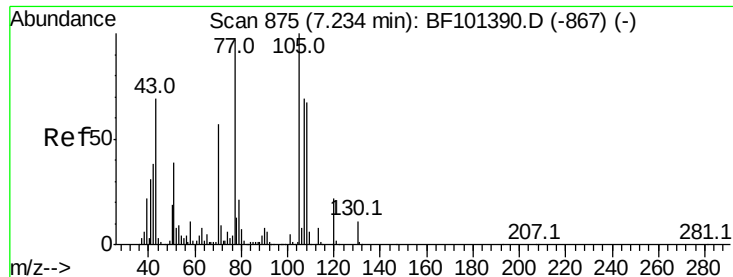
Sohil
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#18
Hexachloroethane
Concen: 30.299 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127833		
119	94.2	75.8	113.8	
201	89.9	75.7	113.5	





#19

n-Nitroso-di-n-propylamine

Concen: 29.809 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF101604.D

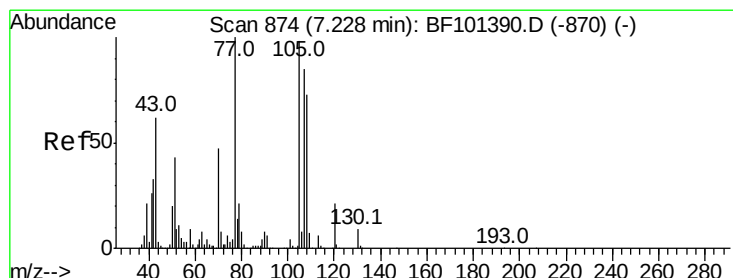
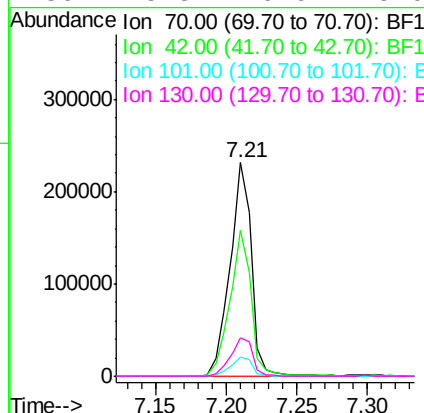
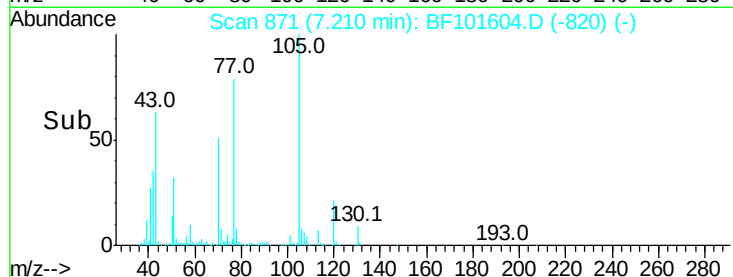
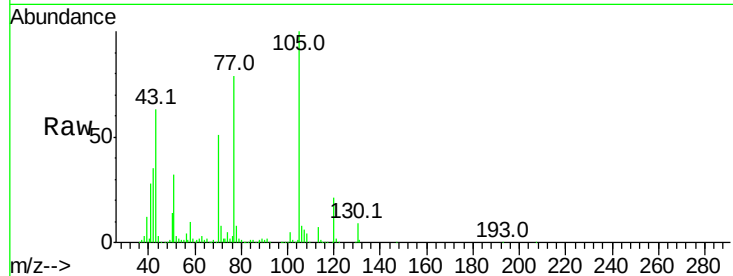
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	70	Resp	243858
Ion	Ratio	Lower	Upper
70	100		
42	68.2	47.5	71.3
101	9.3	7.4	11.2
130	18.3	16.6	25.0

Manual Integrations
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#20

3+4-Methylphenols

Concen: 36.493 ng

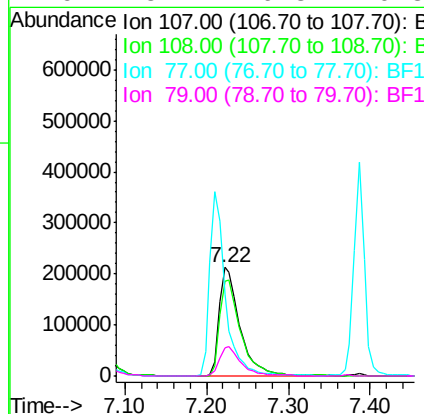
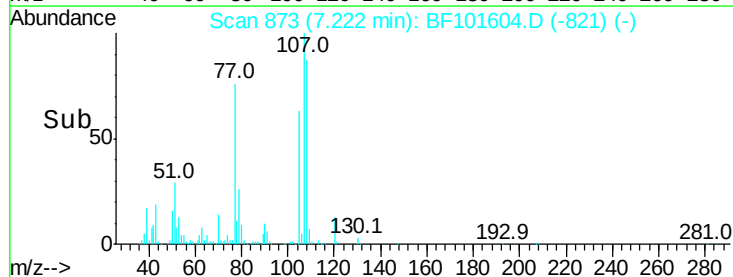
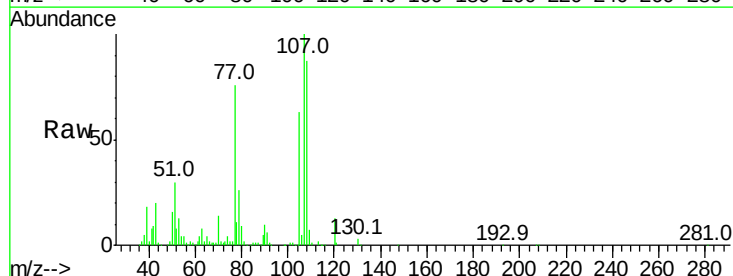
RT: 7.22 min Scan# 873

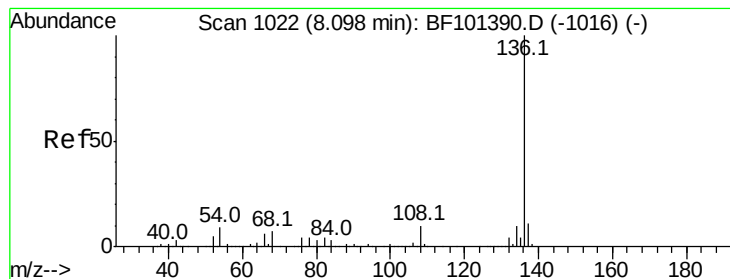
Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion	107	Resp	374532
Ion	Ratio	Lower	Upper
107	100		
108	87.2	68.2	108.2
77	75.7	26.7	66.7#
79	25.7	6.3	46.3





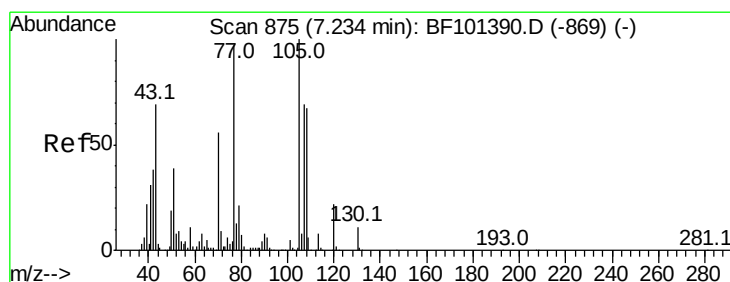
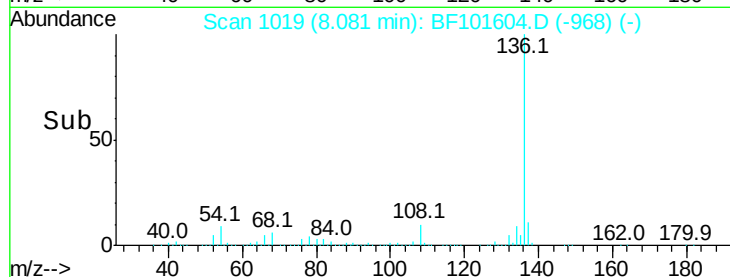
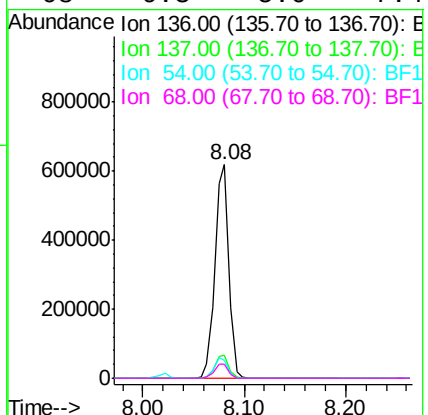
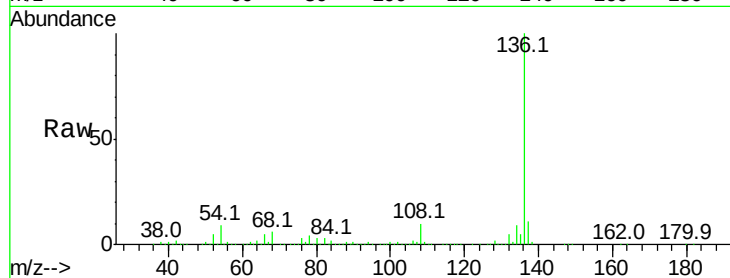
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	8.6	6.6	9.8	
68	6.3	5.0	7.4	

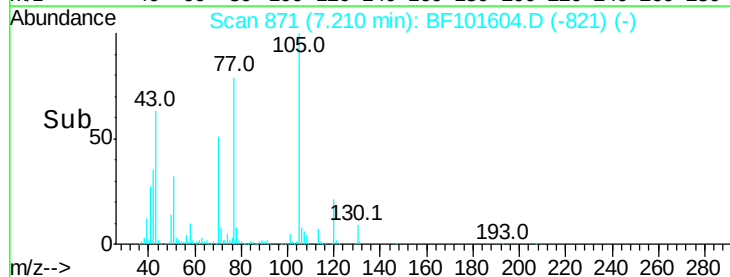
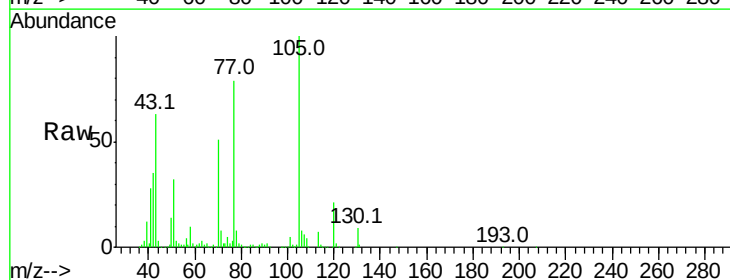
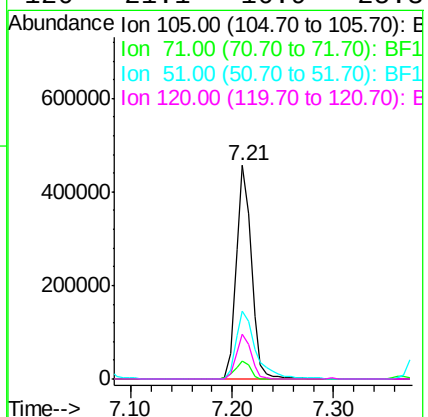
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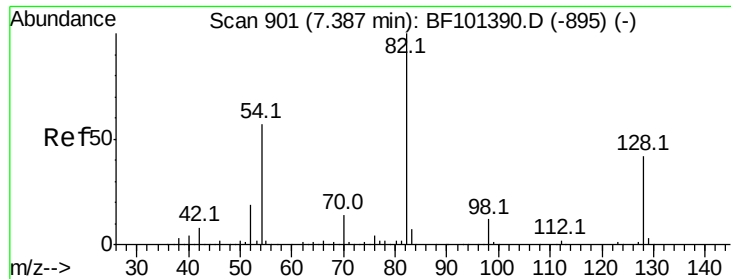
Sohil
12/22/2017 12:41:45 PM



#22
Acetophenone
Concen: 35.266 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.5	4.4	6.6#	
51	31.9	22.3	33.5	
120	21.1	16.9	25.3	





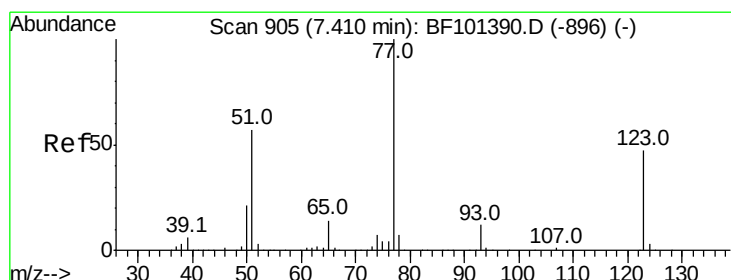
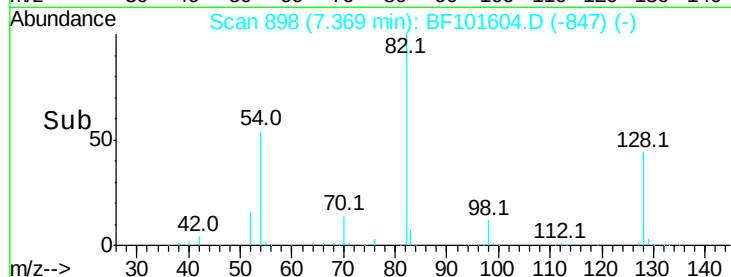
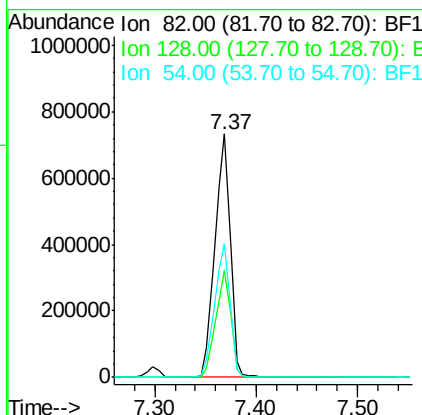
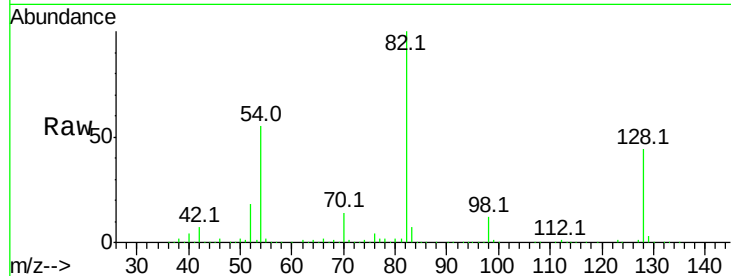
#23
 Nitrobenzene-d5
 Concen: 73.564 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	54.9	41.4	62.2

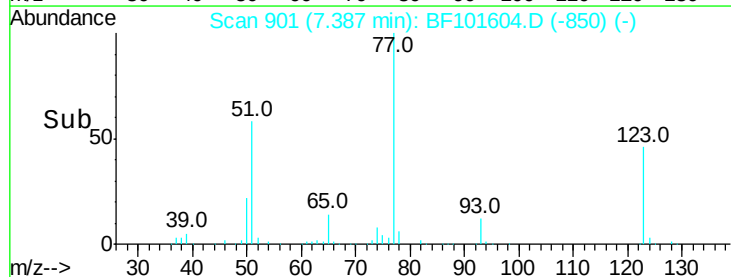
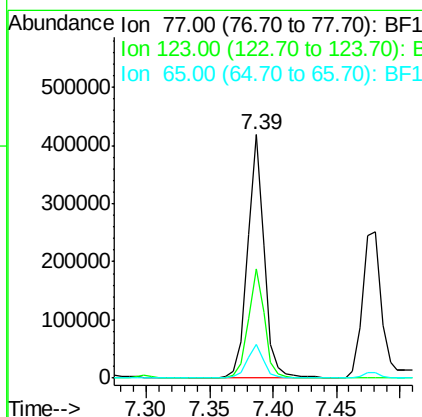
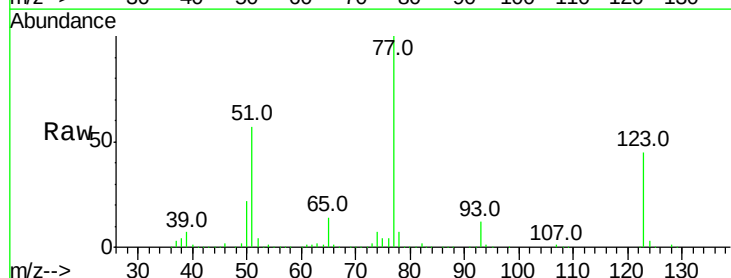
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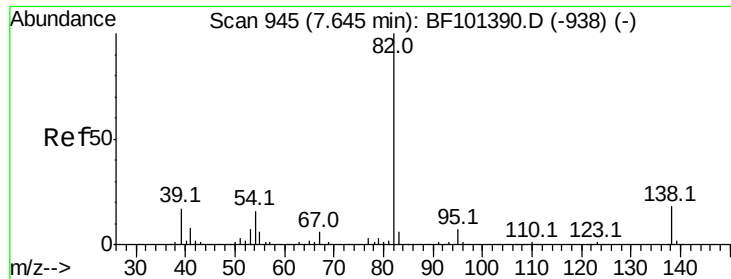
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#24
 Nitrobenzene
 Concen: 32.022 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.9	37.9	56.9
65	13.8	11.0	16.4





#25

Isophorone

Concen: 31.806 ng

RT: 7.62 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

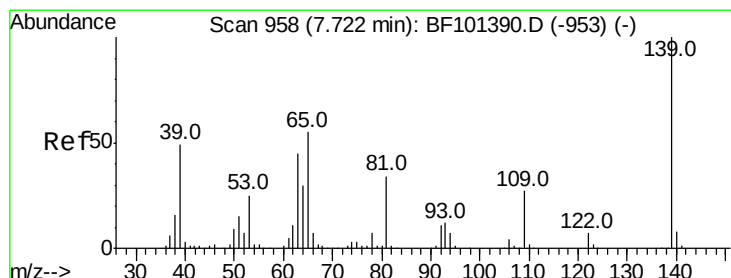
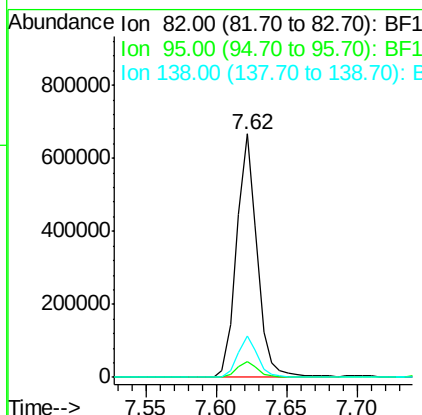
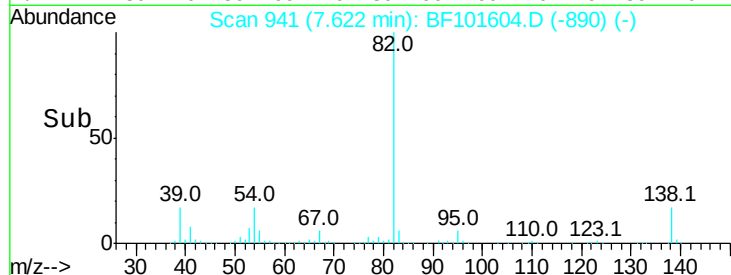
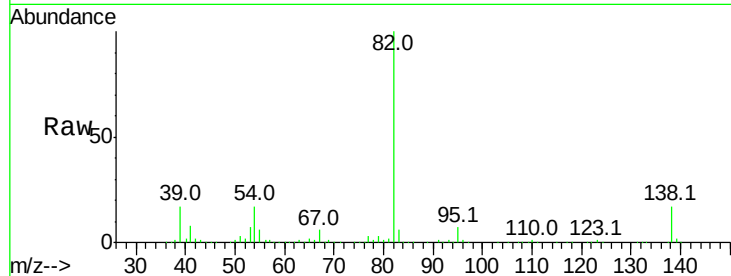
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	82	Resp:	676126
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.2	7.8
138	16.9	14.9	22.3

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#26

2-Nitrophenol

Concen: 35.395 ng

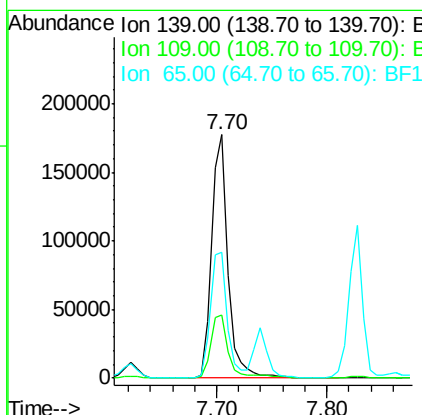
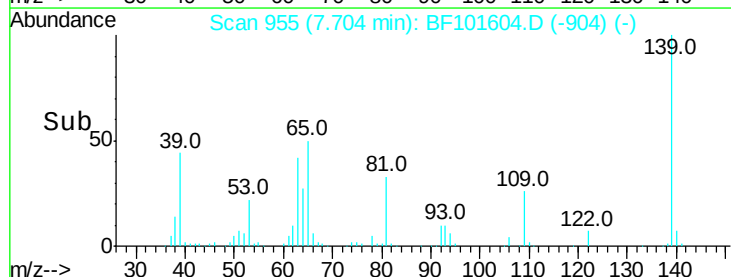
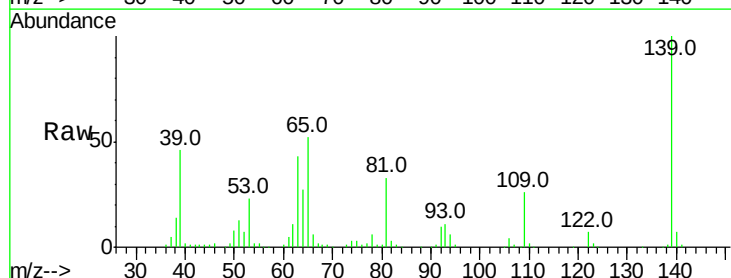
RT: 7.70 min Scan# 955

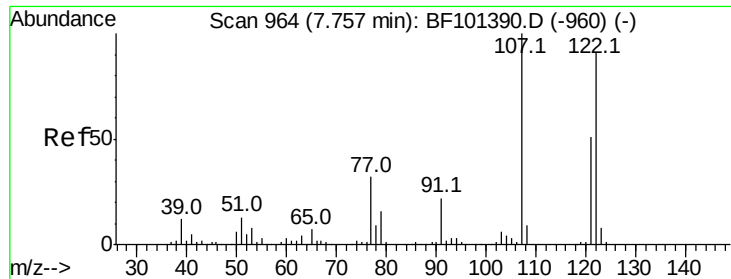
Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	139	Resp:	178339
Ion Ratio	Lower	Upper	
139	100		
109	26.0	22.7	34.1
65	51.7	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 34.251 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

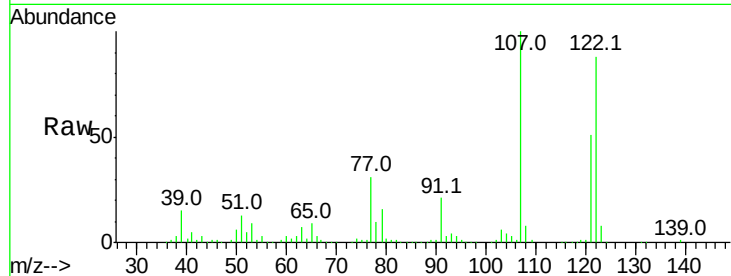
ClientSampleId :

PL-01-121917-AMS

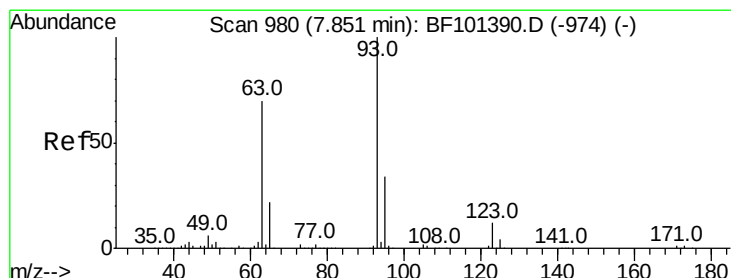
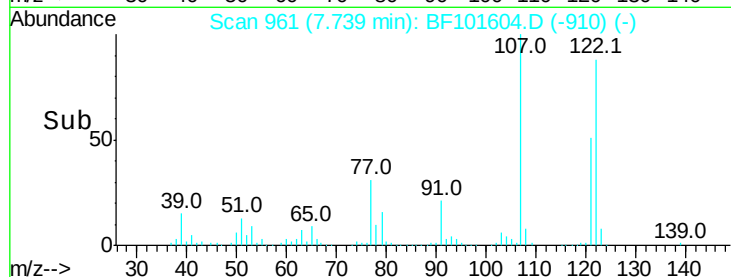
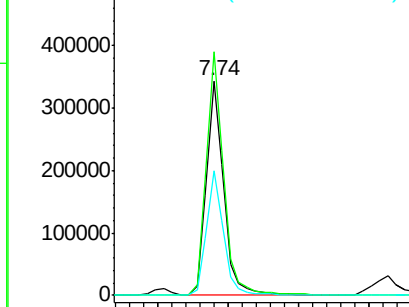
Tot Ion:	122	Resp:	293187
Ion Ratio	Lower	Upper	
122	100		
107	113.6	91.2	136.8
121	58.2	47.2	70.8

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



#28

bis(2-Chloroethoxy)methane

Concen: 31.181 ng

RT: 7.83 min Scan# 976

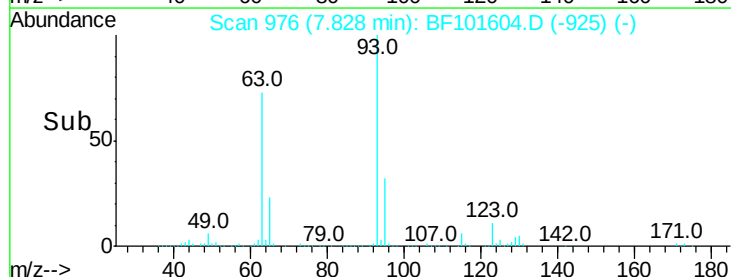
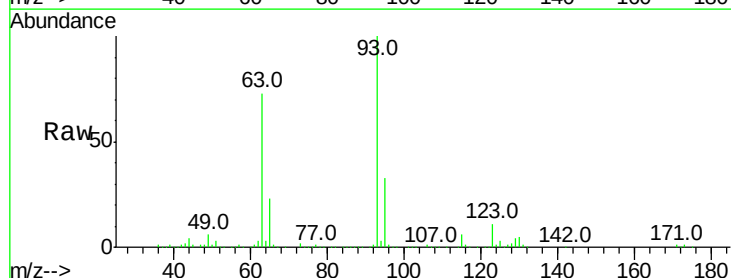
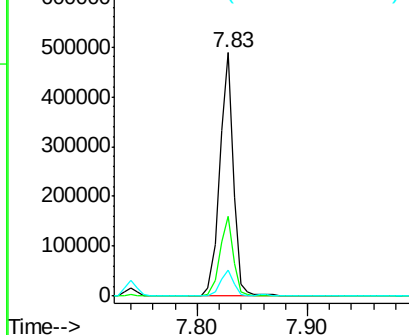
Delta R.T. 0.00 min

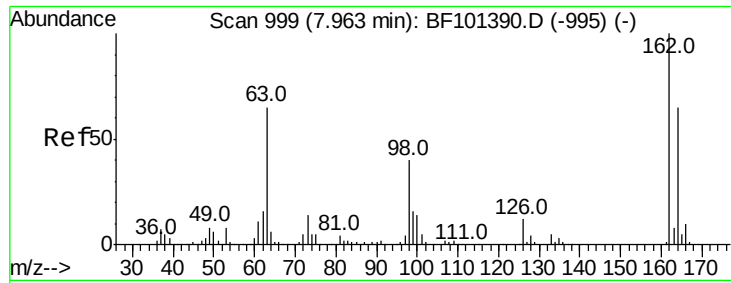
Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	93	Resp:	421056
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.3	39.5
123	10.8	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





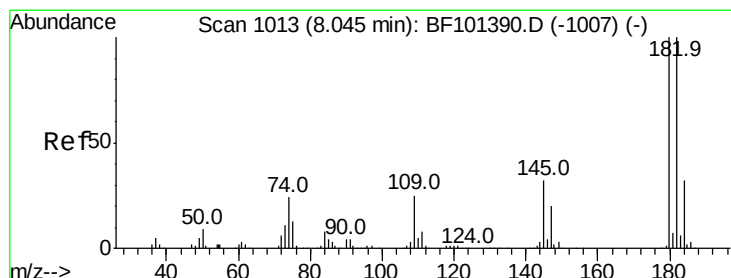
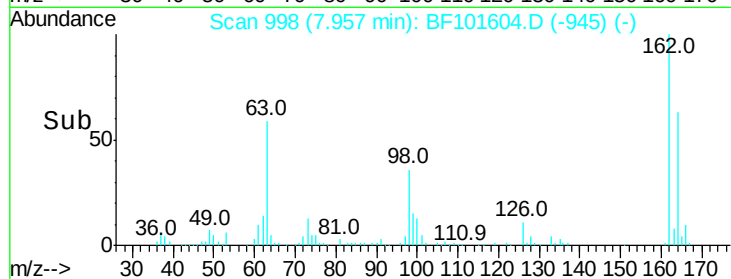
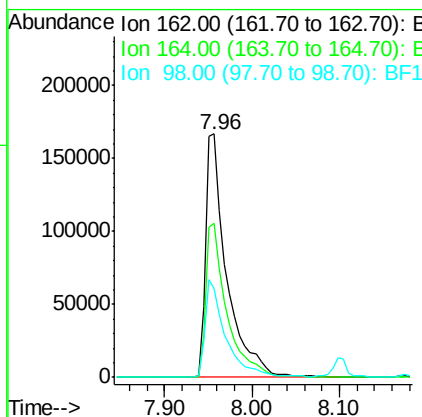
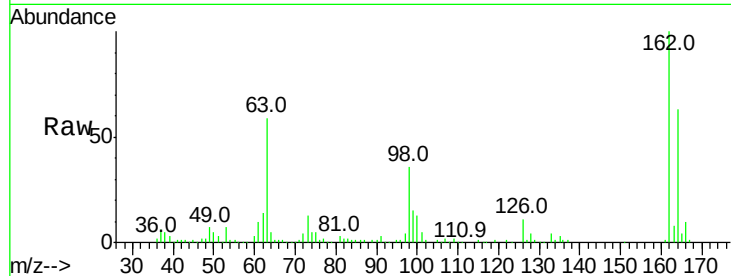
#29
2,4-Dichlorophenol
Concen: 33.008 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.01 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	279141		
164	63.0	42.7	82.7	
98	36.2	18.1	58.1	

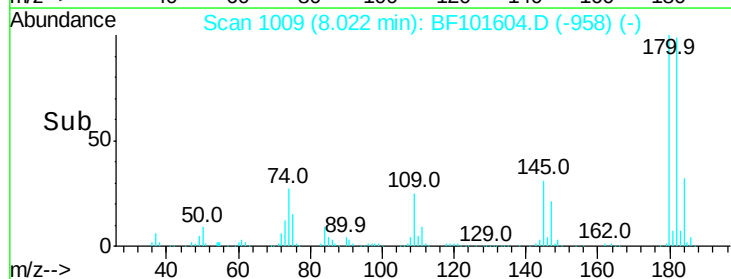
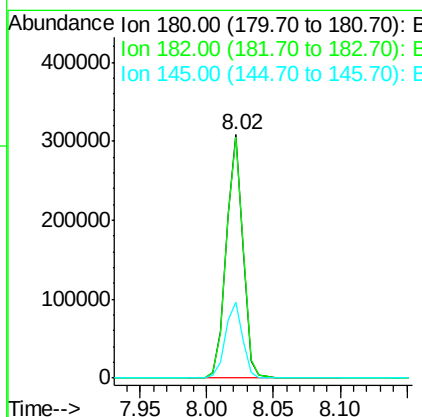
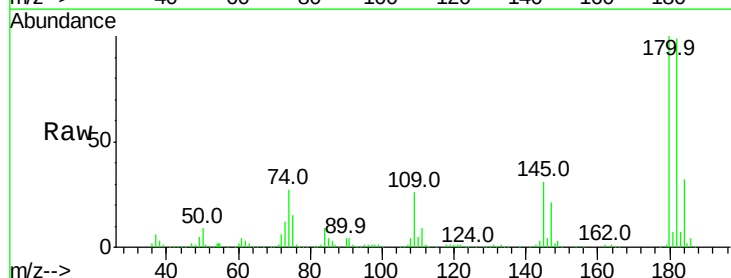
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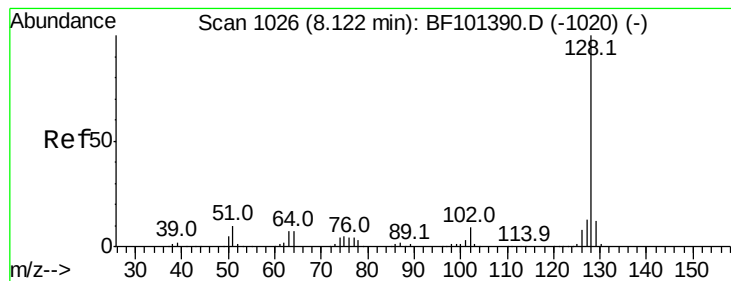
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#30
1,2,4-Trichlorobenzene
Concen: 30.496 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272159		
182	98.9	76.8	115.2	
145	31.3	26.5	39.7	





#31

Naphthalene

Concen: 32.633 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

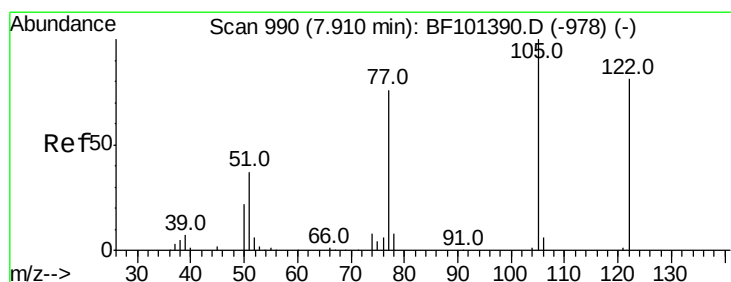
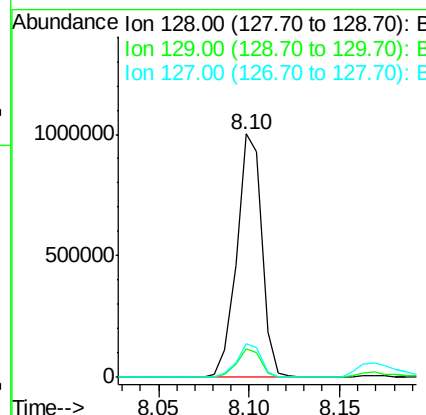
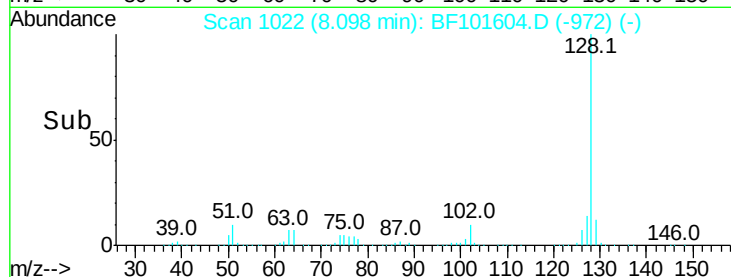
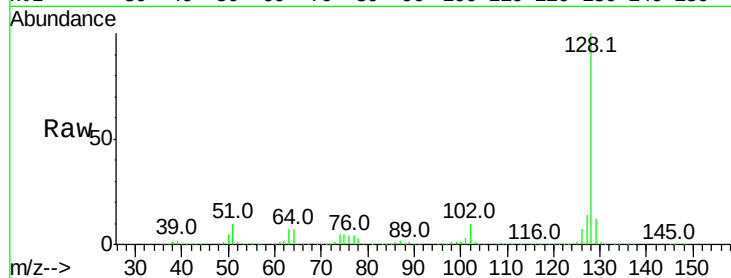
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	128	Resp:	969082
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.8	13.2
127	13.8	10.9	16.3

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#32

Benzoic acid

Concen: 15.458 ng

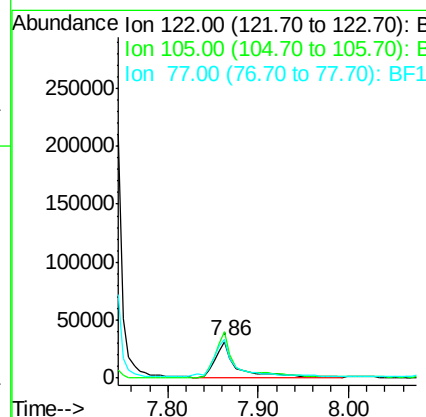
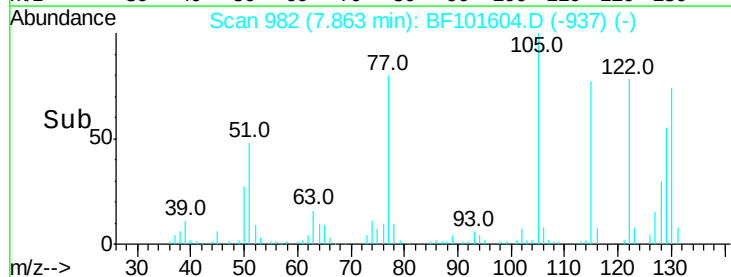
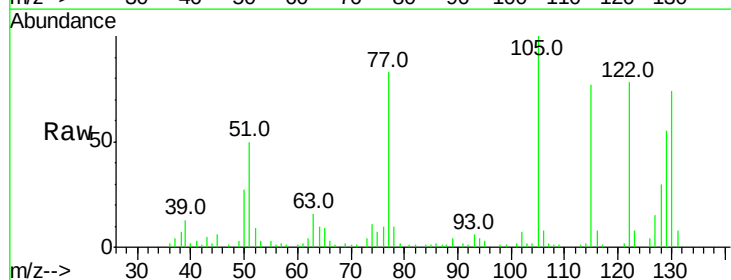
RT: 7.86 min Scan# 982

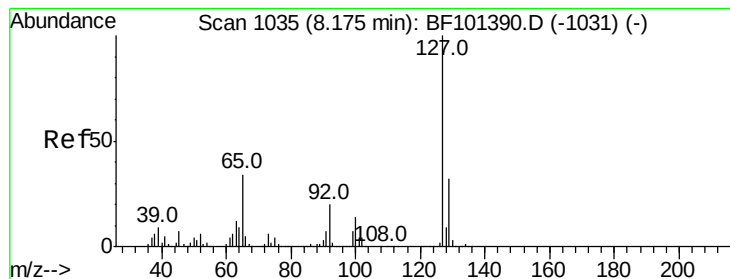
Delta R.T. -0.04 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	122	Resp:	51837
Ion Ratio	Lower	Upper	
122	100		
105	128.5	101.1	141.1
77	106.2	70.7	110.7





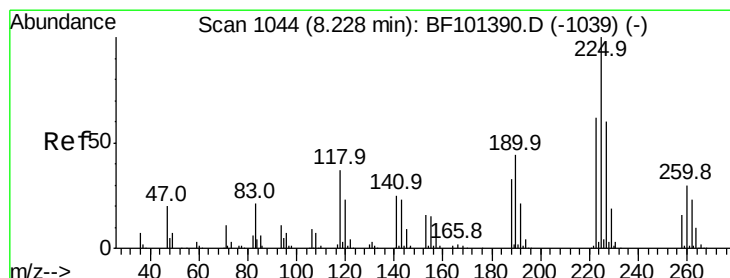
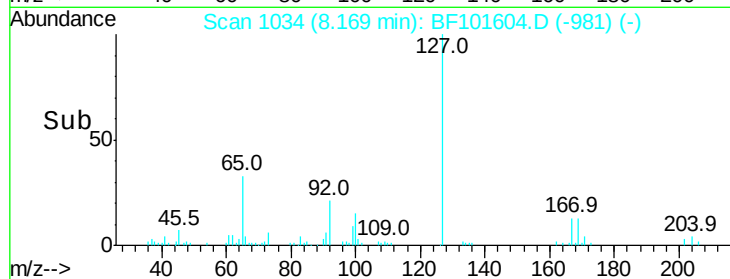
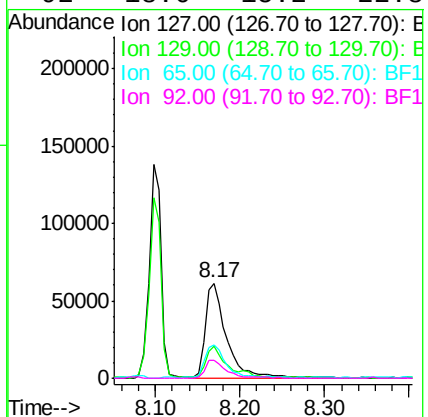
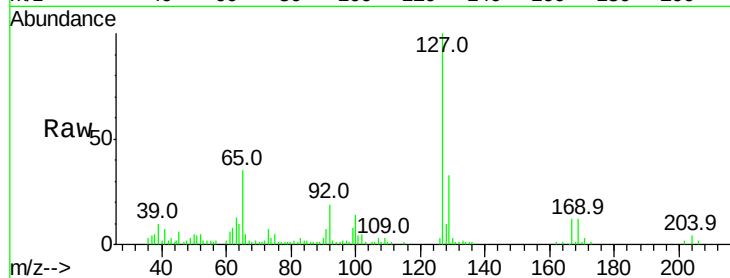
#33
 4-Chloroaniline
 Concen: 8.384 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	35.1	25.0	37.4
92	18.6	15.2	22.8

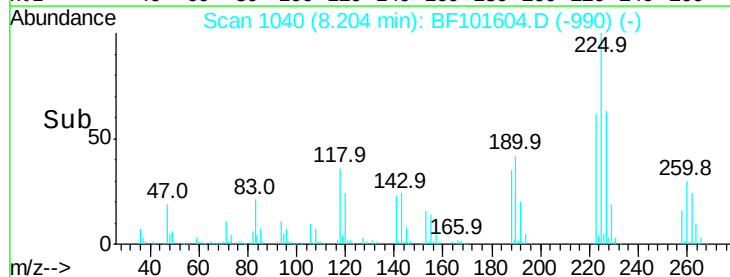
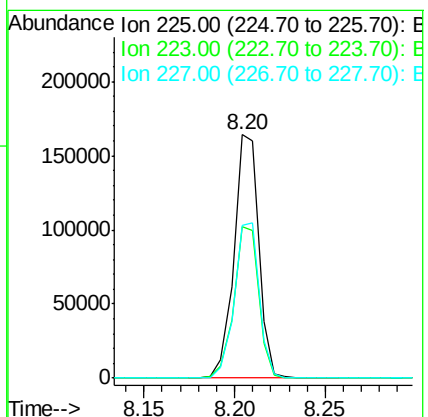
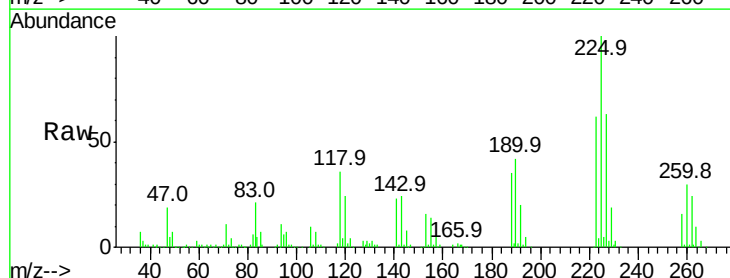
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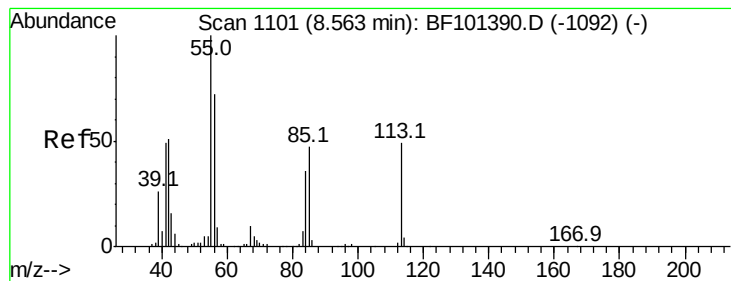
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#34
 Hexachlorobutadiene
 Concen: 30.323 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	76.0
227	62.6	51.9	77.9





#35

Caprolactam

Concen: 30.744 ng/ml

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-AMS

Tot Ion:113 Resp: 90277

Ion Ratio Lower Upper

113 100

55 211.9 163.3 203.3#

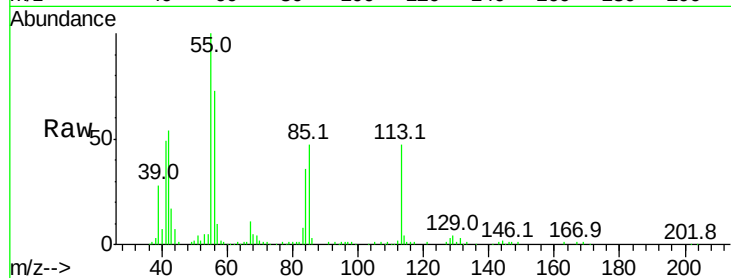
56 155.5 115.7 155.7

Manual Integrations

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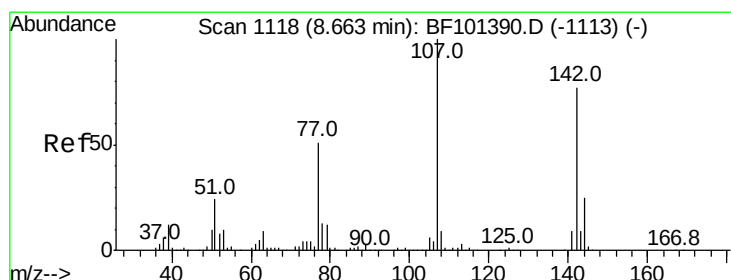
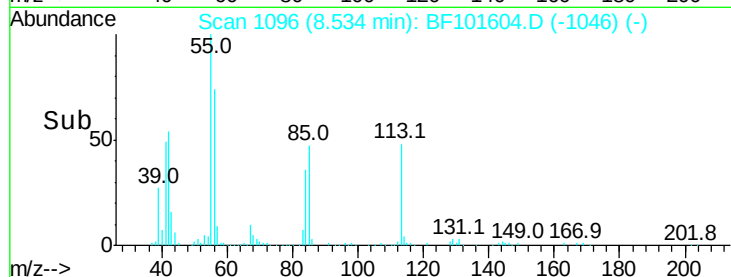
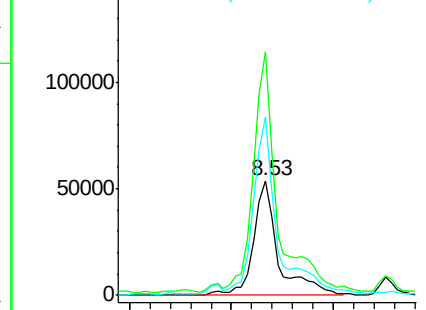
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 30.354 ng/ml

RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

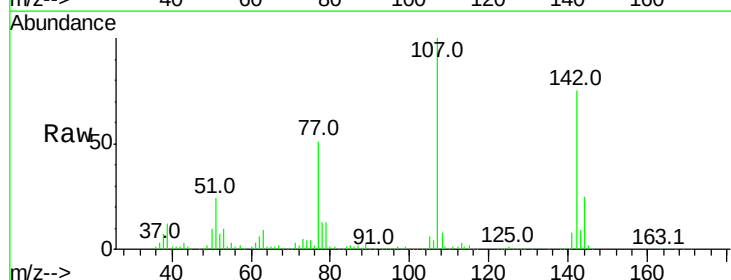
Tgt Ion:107 Resp: 282136

Ion Ratio Lower Upper

107 100

144 25.5 20.5 30.7

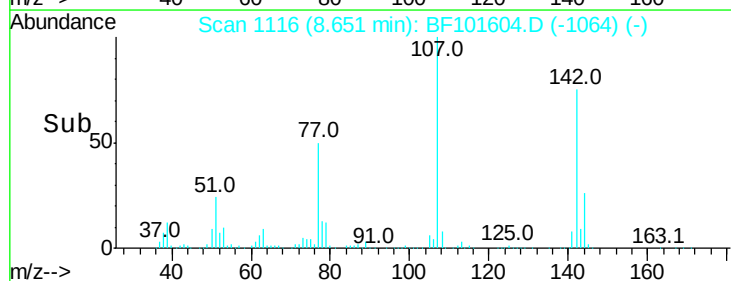
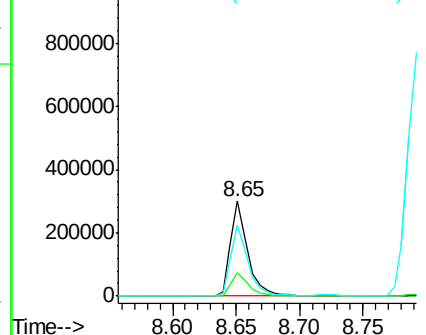
142 75.3 62.0 93.0

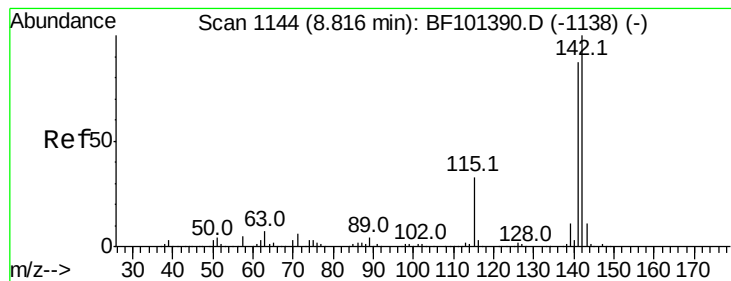


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





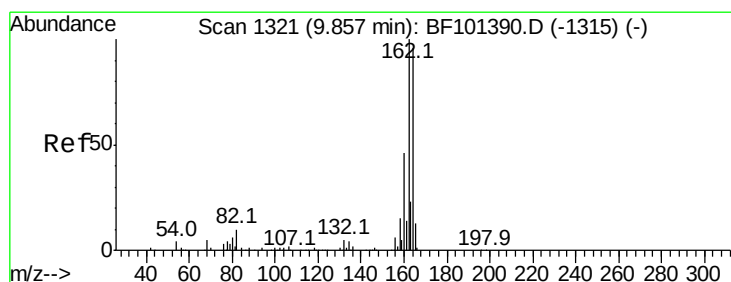
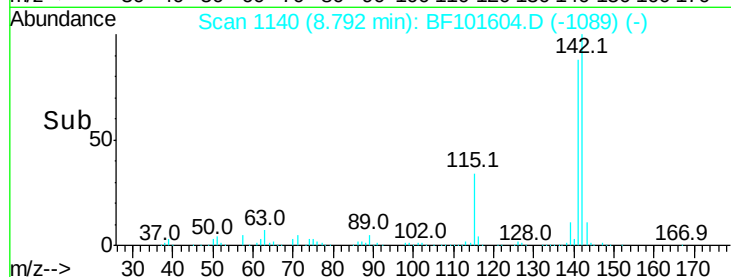
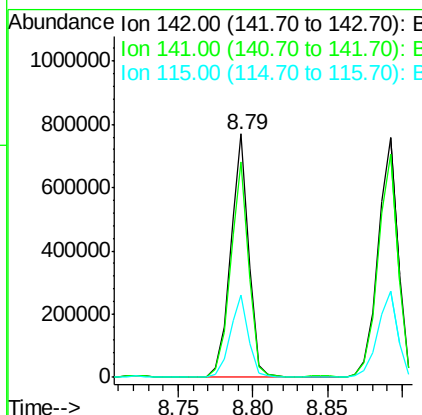
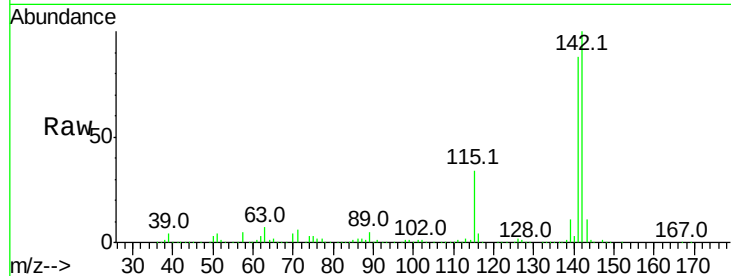
#37
2-Methylnaphthalene
Concen: 34.077 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	659318		
141	88.4		70.8	106.2
115	33.6		26.1	39.1

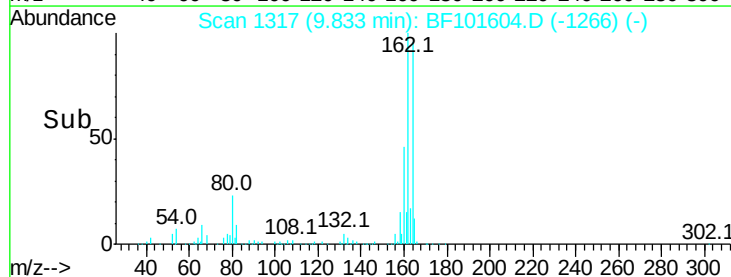
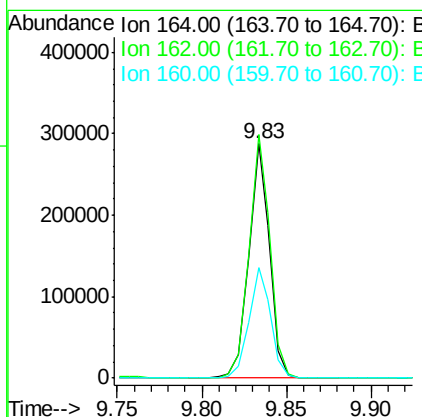
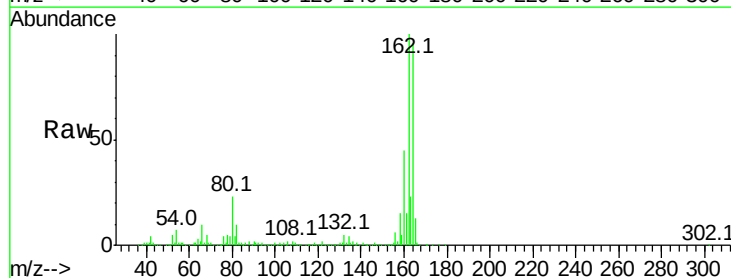
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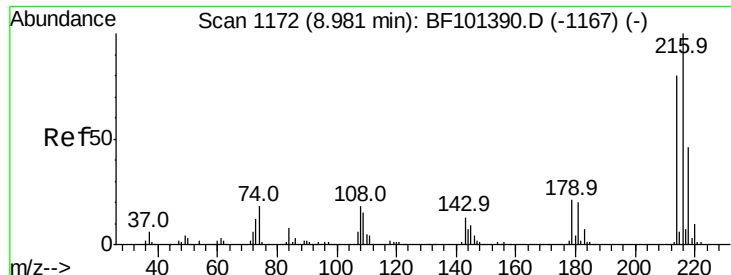
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	247232		
162	103.8		86.1	129.1
160	47.1		38.3	57.5





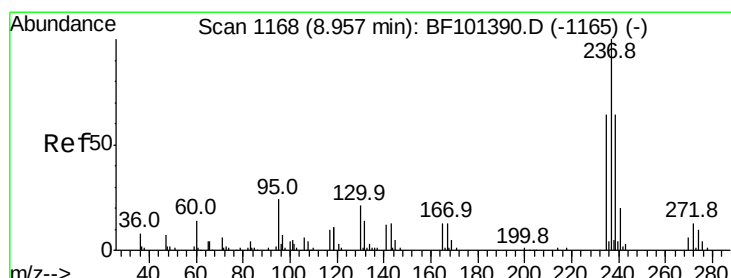
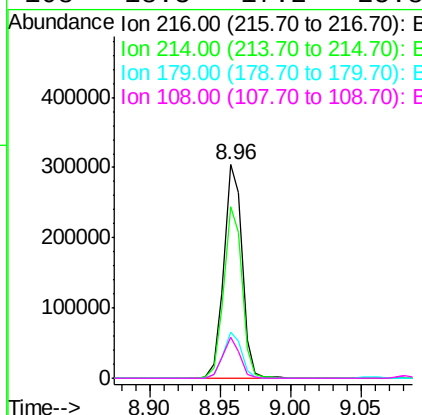
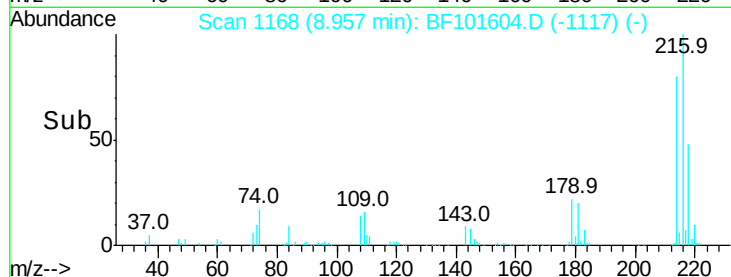
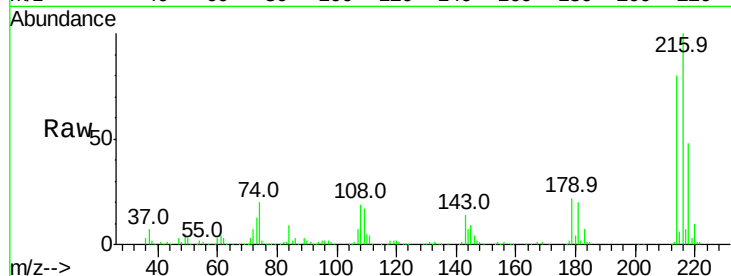
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.000 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.3	63.0	94.4
179	21.3	18.1	27.1
108	18.3	17.2	25.8

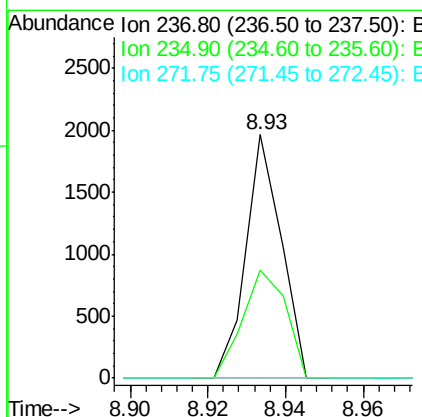
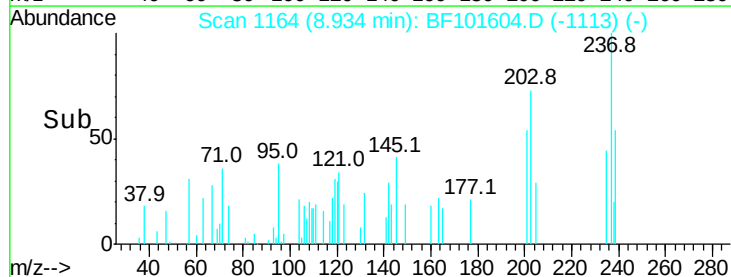
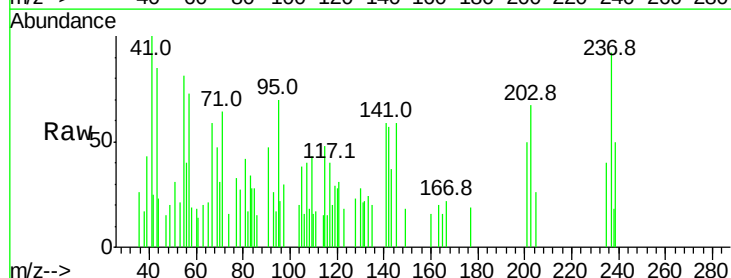
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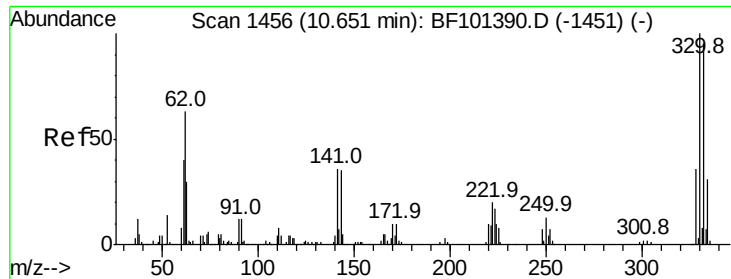
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#40
 Hexachlorocyclopentadiene
 Concen: 12.329 ng m
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	44.1	44.8	84.8#
272	0.0	0.0	33.3





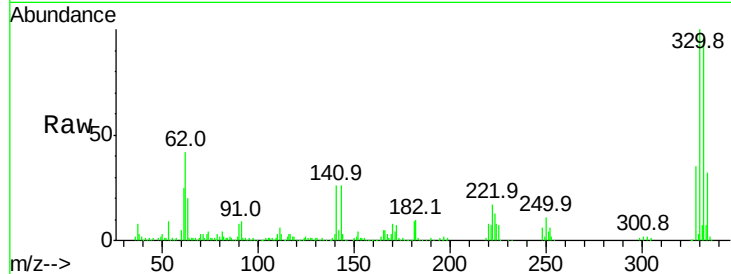
#41
 2,4,6-Tribromophenol
 Concen: 93.405 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

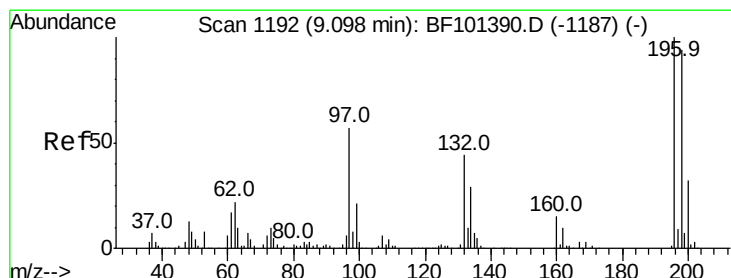
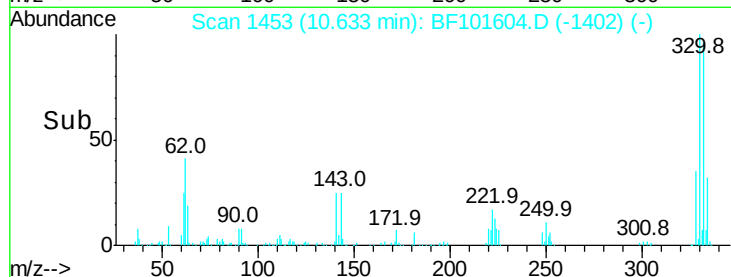
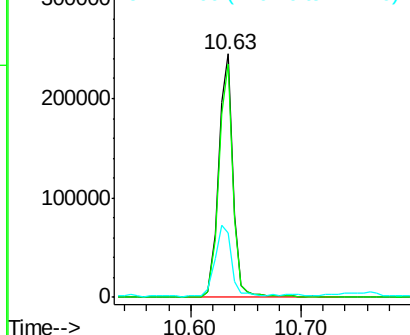
Tot Ion	Ratio	Resp	Lower	Upper
330	100	222517		
332	95.6	77.0	115.6	
141	33.2	29.9	44.9	

Manual Integrations
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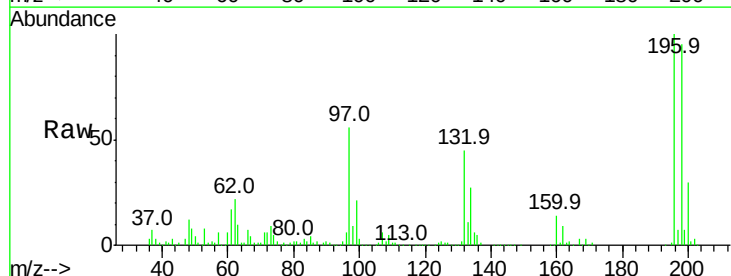


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

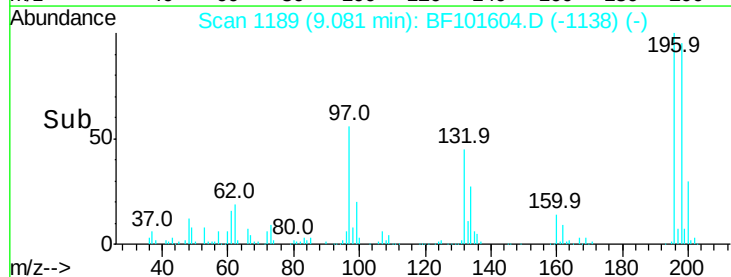
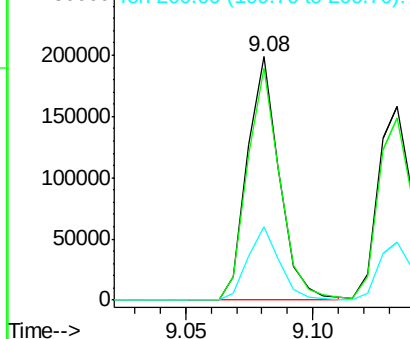


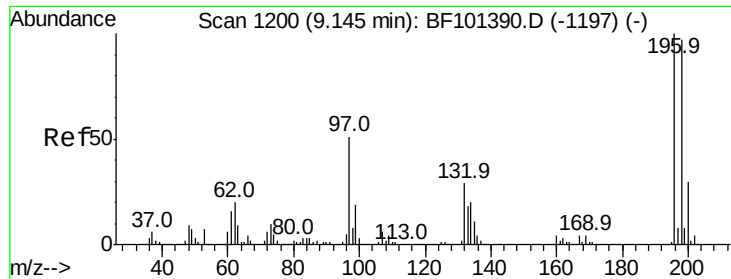
#42
 2,4,6-Trichlorophenol
 Concen: 34.976 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	175764		
198	95.5	75.7	113.5	
200	30.2	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





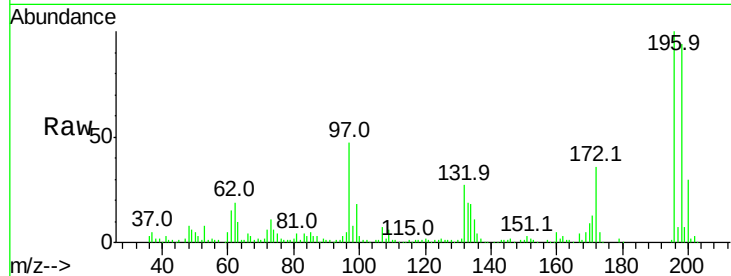
#43
2,4,5-Trichlorophenol
Concen: 31.235 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	171867		
198	94.3	74.6	112.0	
97	47.4	42.9	64.3	
132	27.3	26.3	39.5	

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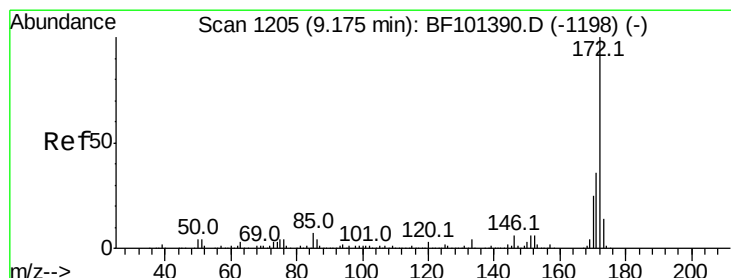
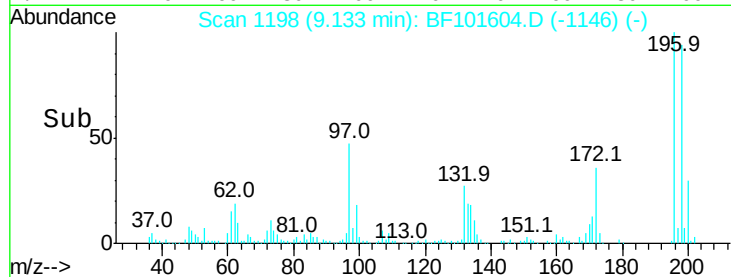
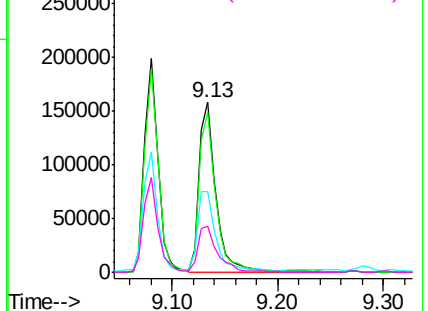
Abundance

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: 74.928 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

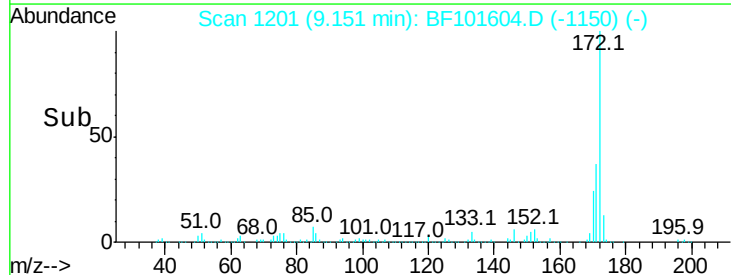
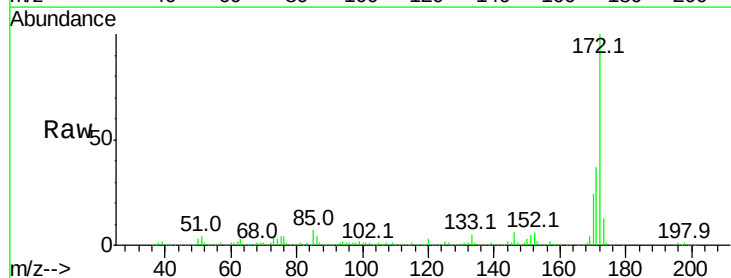
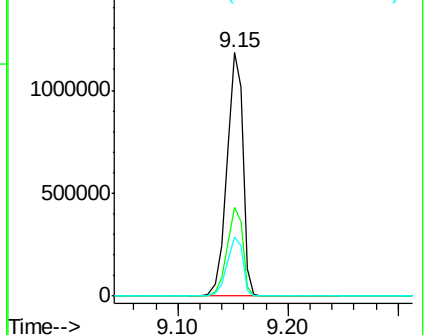
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1194181		
171	36.6	29.7	44.5	
170	24.2	19.6	29.4	

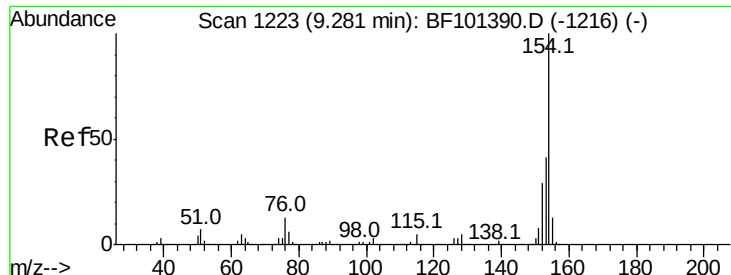
Abundance

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





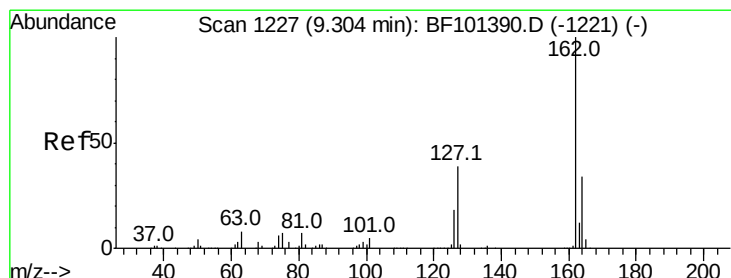
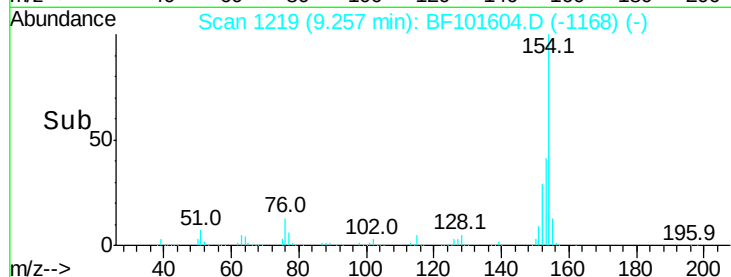
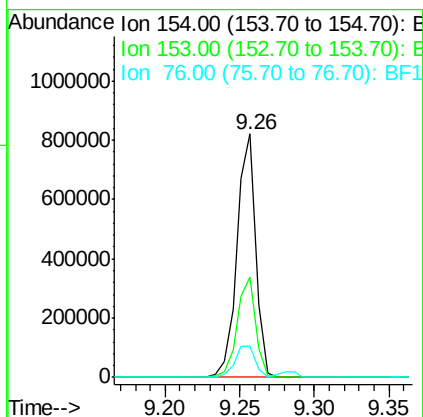
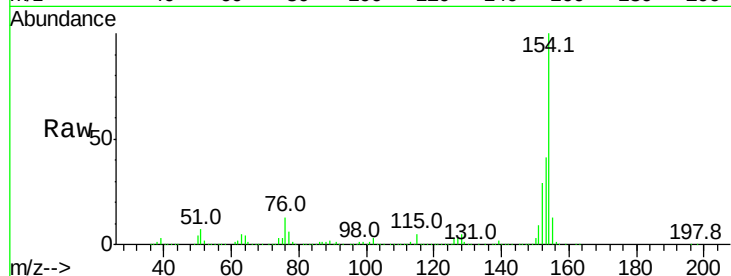
#45
 1,1'-Biphenyl
 Concen: 33.106 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.3	61.3
76	12.9	0.0	34.0

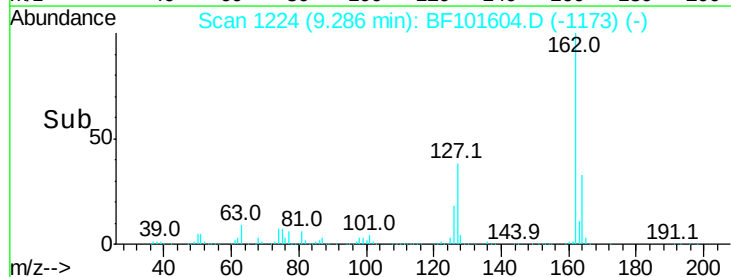
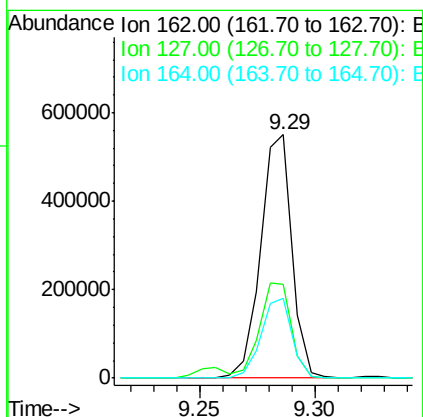
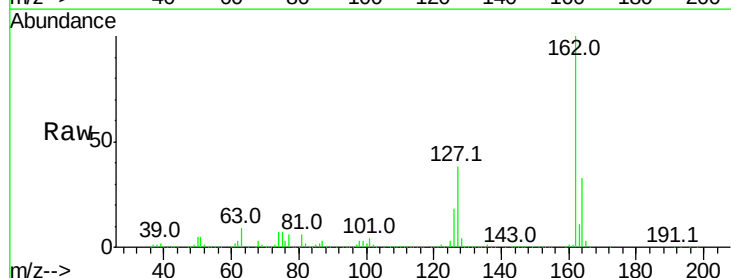
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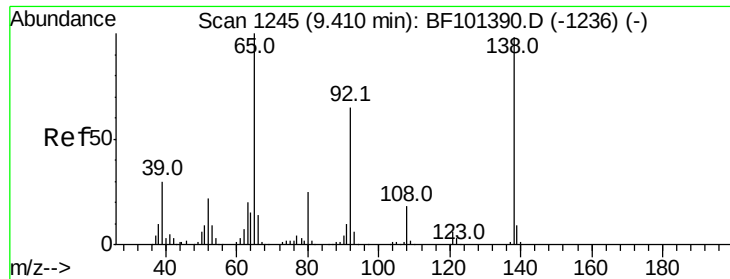
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#46
 2-Chloronaphthalene
 Concen: 30.983 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.4	33.9	50.9
164	33.0	26.5	39.7





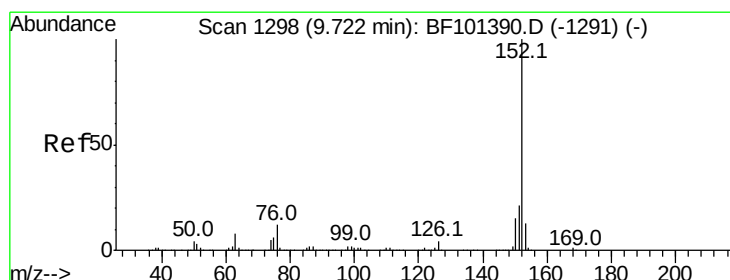
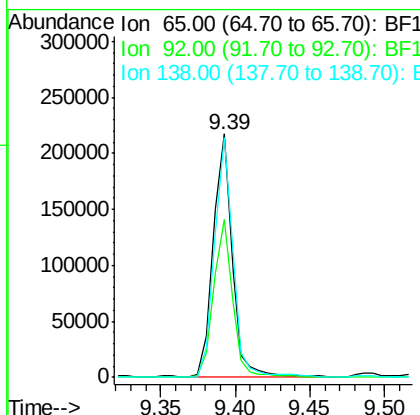
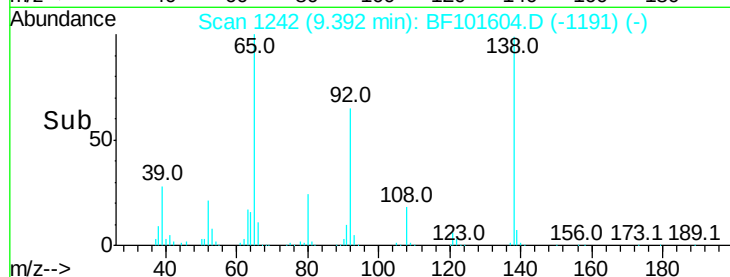
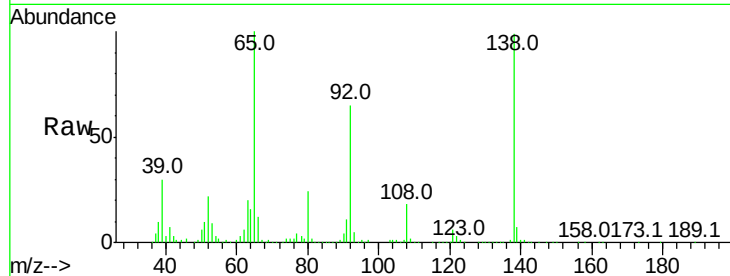
#47
2-Nitroaniline
Concen: 32.896 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.9	55.8	83.6
138	98.7	91.2	136.8

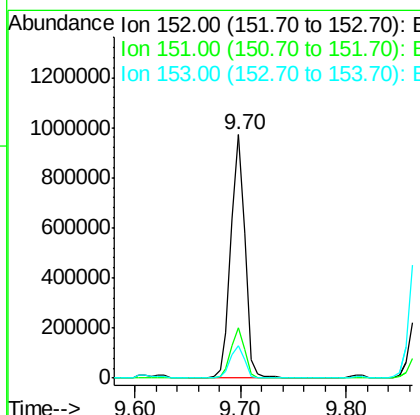
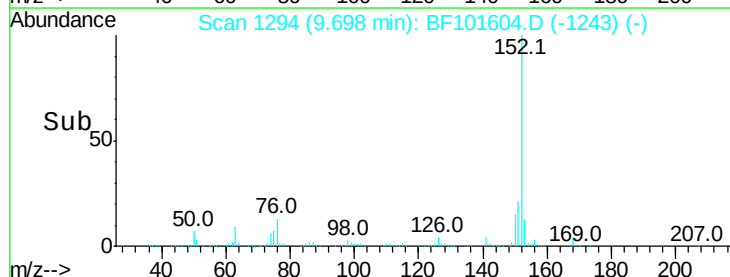
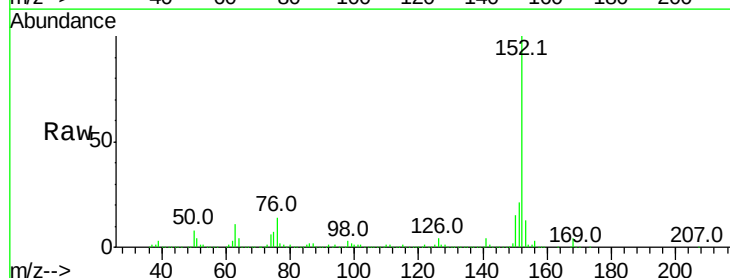
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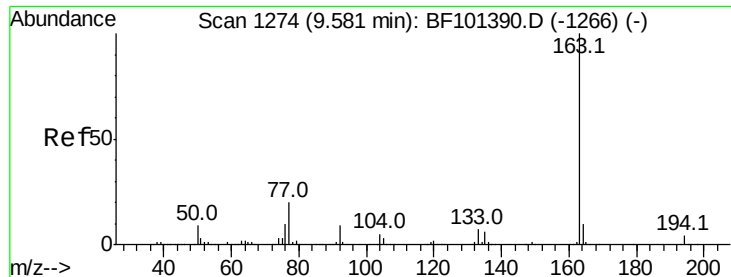
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#48
Acenaphthylene
Concen: 33.632 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.3	10.7	16.1





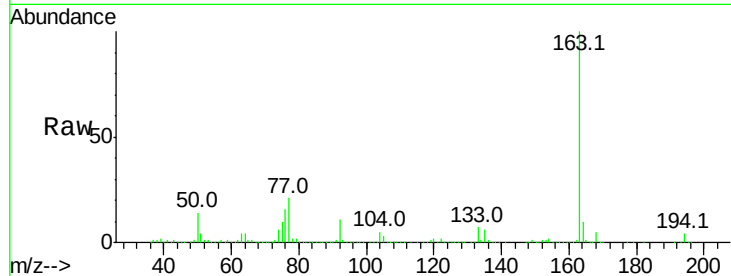
#49
Dimethylphthalate
Concen: 34.164 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

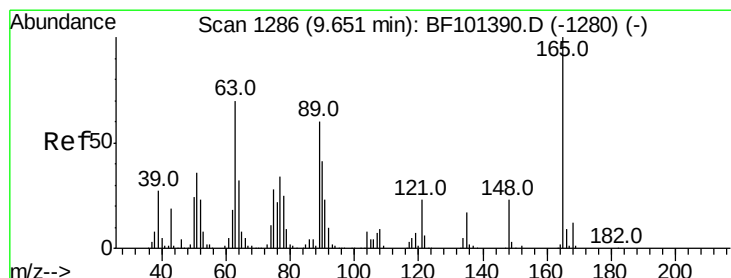
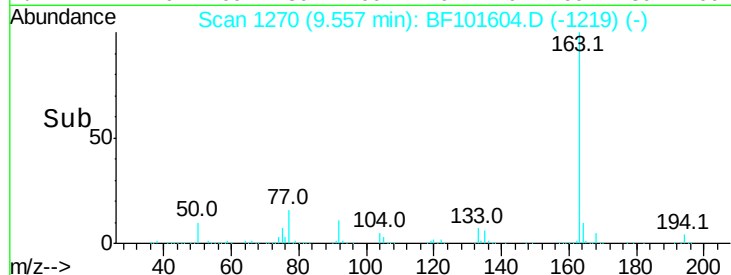
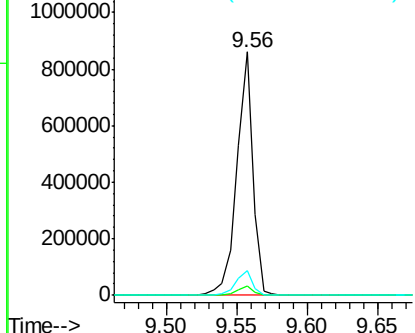
Tot Ion	Ratio	Resp	Lower	Upper
163	100	679398		
194	3.8	2.7	4.1	
164	10.3	8.2	12.2	

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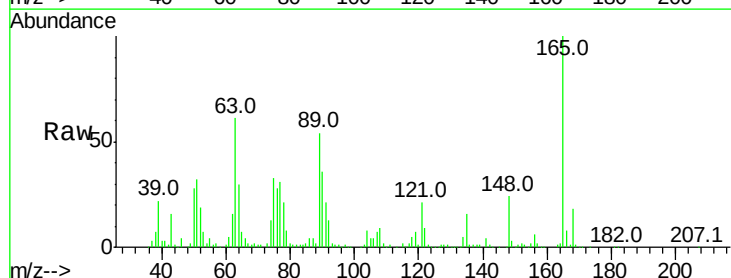


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

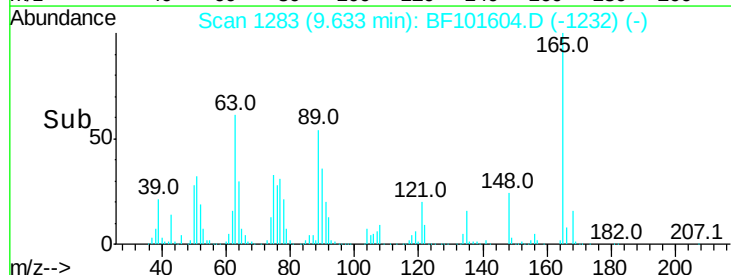
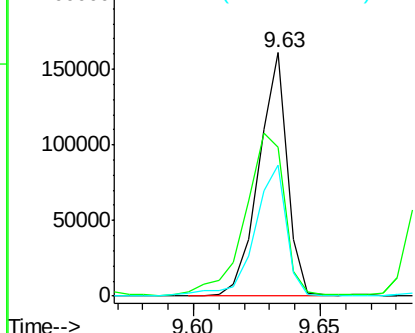


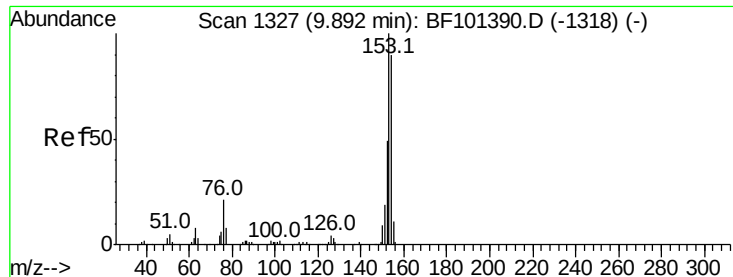
#50
2,6-Dinitrotoluene
Concen: 31.303 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	126518		
63	61.3	44.7	67.1	
89	53.7	44.0	66.0	



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





#51

Acenaphthene

Concen: 34.187 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

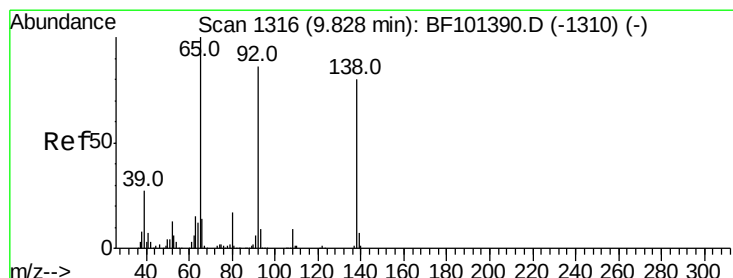
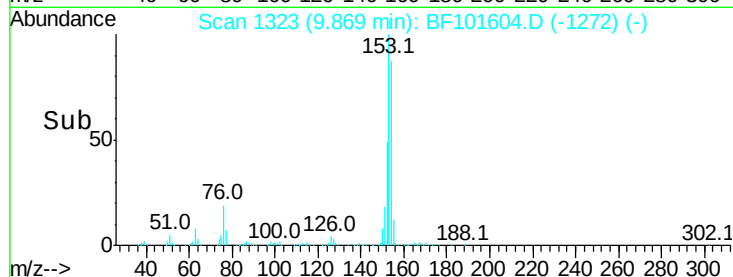
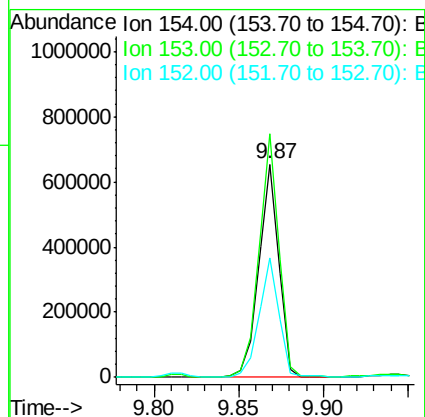
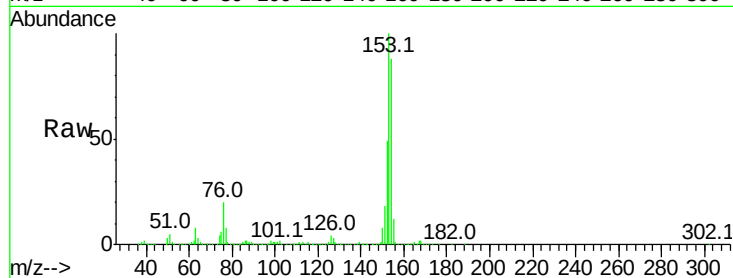
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	154	Resp:	544264
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.2	136.8
152	55.8	43.8	65.8

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#52

3-Nitroaniline

Concen: 19.139 ng

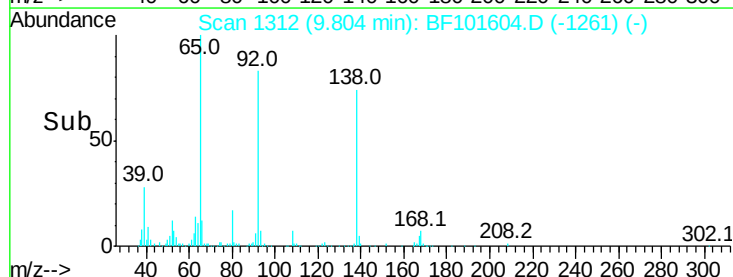
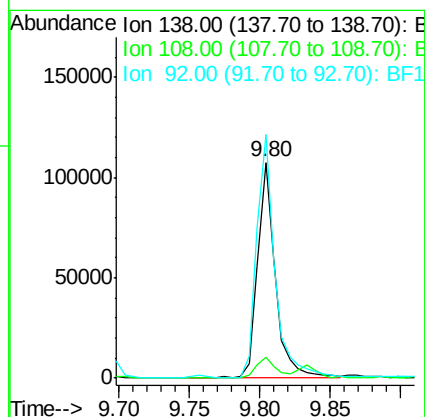
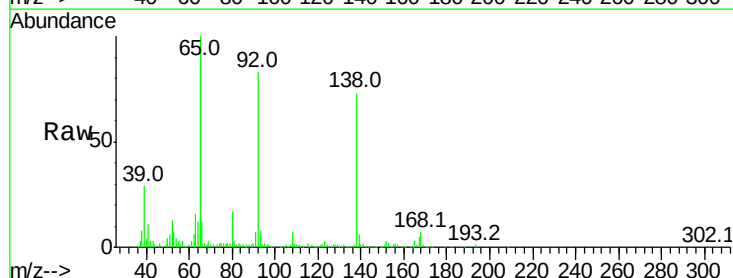
RT: 9.80 min Scan# 1312

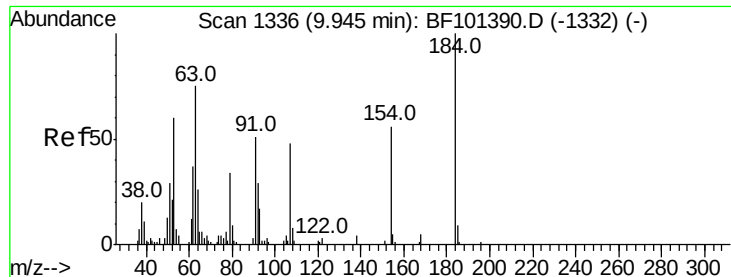
Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	138	Resp:	96441
Ion Ratio	Lower	Upper	
138	100		
108	9.9	9.4	14.0
92	112.8	89.4	134.2





#53

2,4-Dinitrophenol

Concen: 17.998 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-AMS

Tot Ion:184 Resp: 12409

Ion Ratio Lower Upper

184 100

63 114.3 54.2 81.2#

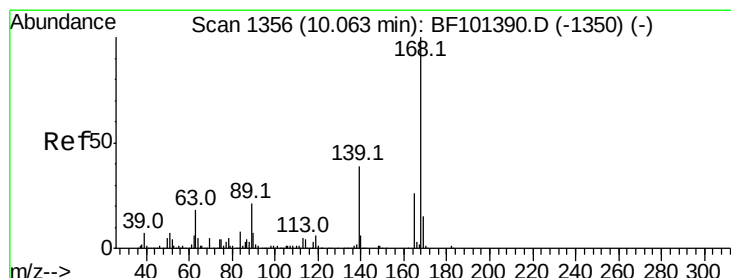
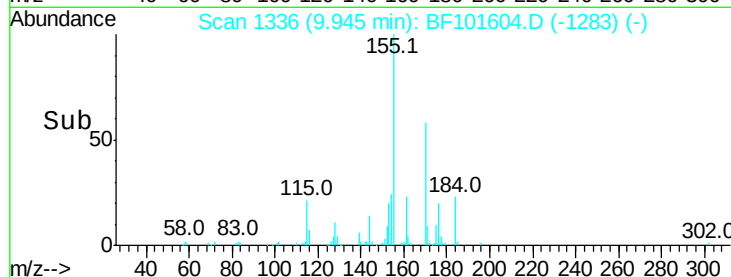
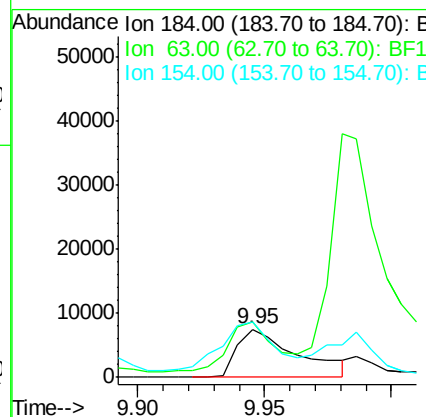
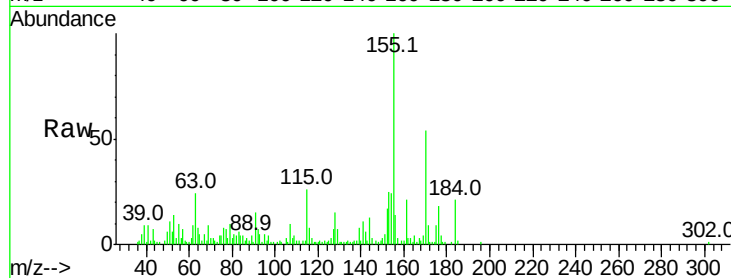
154 114.5 184.0 276.0#

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#54

Dibenzofuran

Concen: 33.520 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

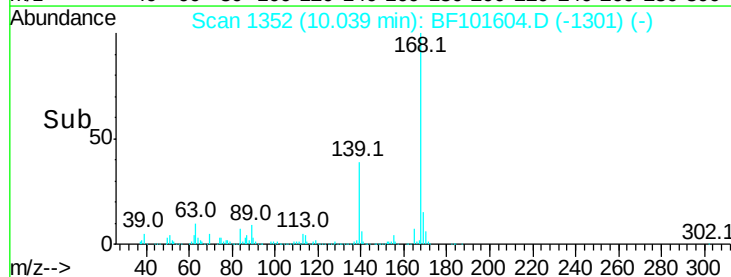
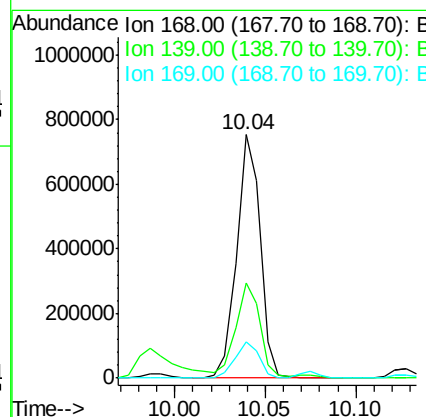
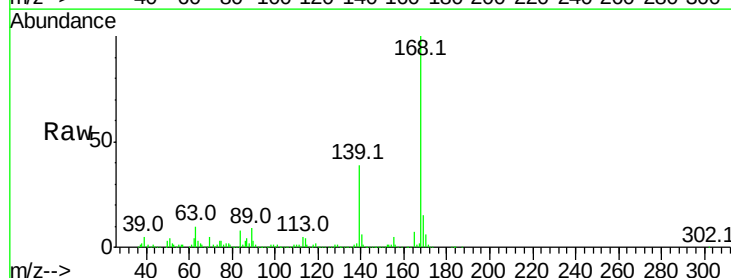
Tgt Ion:168 Resp: 678174

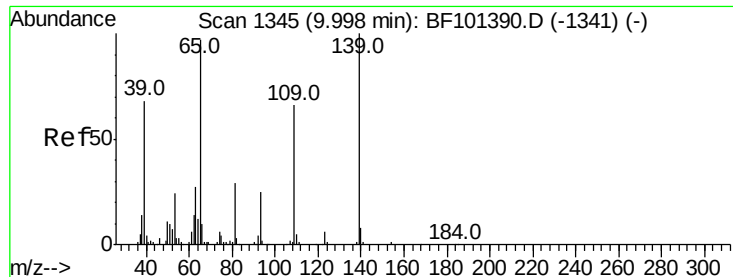
Ion Ratio Lower Upper

168 100

139 39.3 30.1 45.1

169 15.1 10.9 16.3





#55

4-Nitrophenol

Concen: 60.859 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

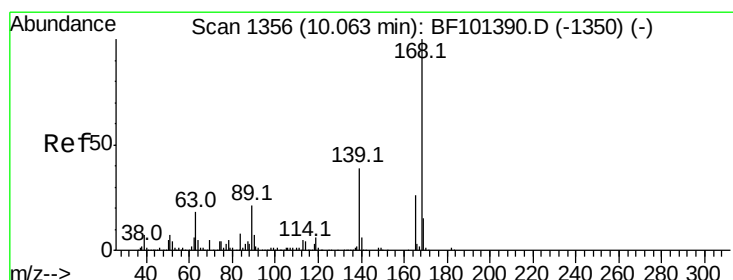
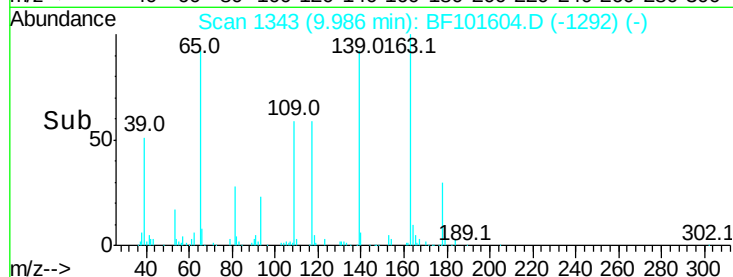
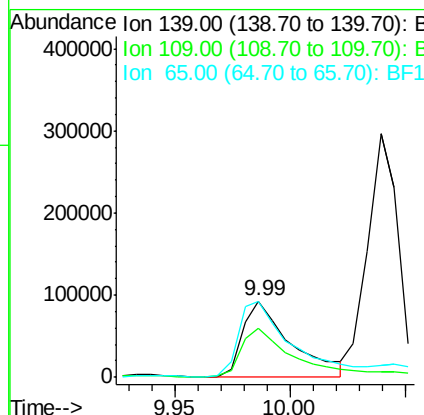
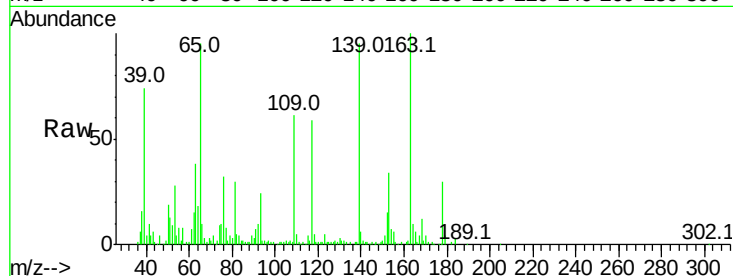
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	139	Resp:	133723
Ion Ratio	Lower	Upper	
139	100		
109	64.5	48.4	88.4
65	100.4	72.6	112.6

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#56

2,4-Dinitrotoluene

Concen: 33.597 ng

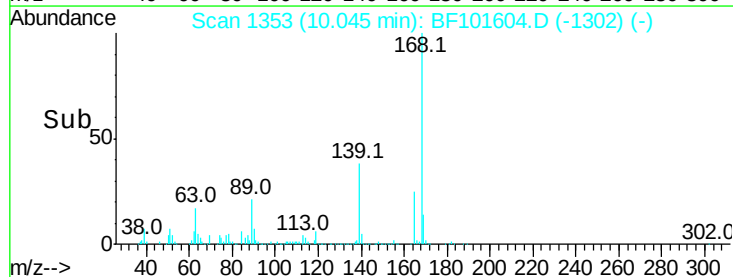
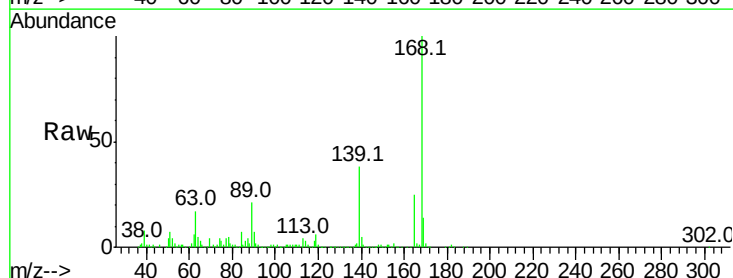
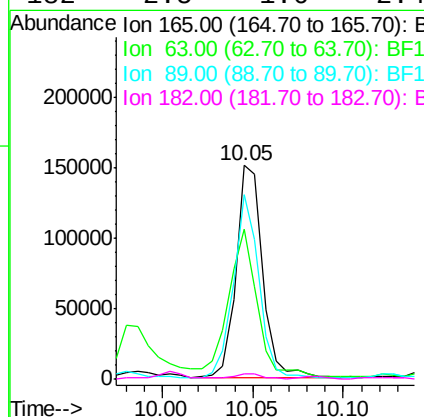
RT: 10.05 min Scan# 1353

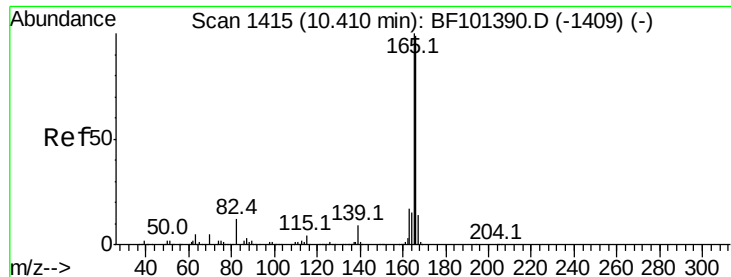
Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	165	Resp:	152991
Ion Ratio	Lower	Upper	
165	100		
63	70.2	36.4	54.6#
89	86.5	57.8	86.6
182	2.5	1.6	2.4#





#57

Fluorene

Concen: 38.208 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

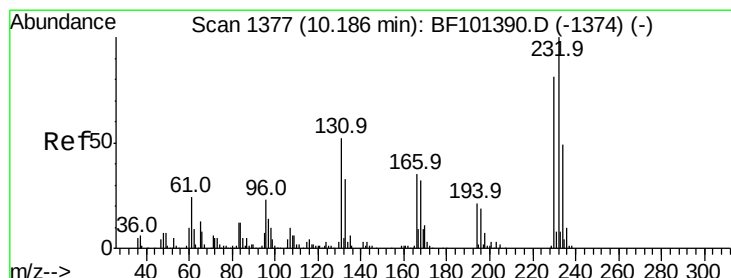
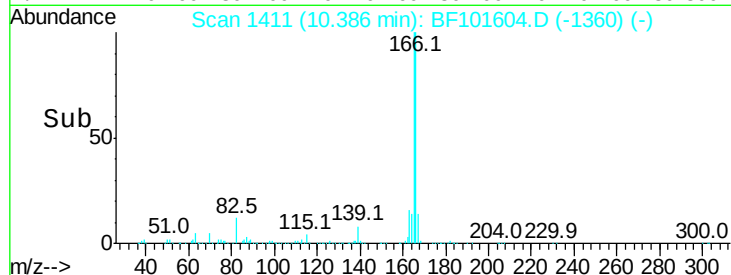
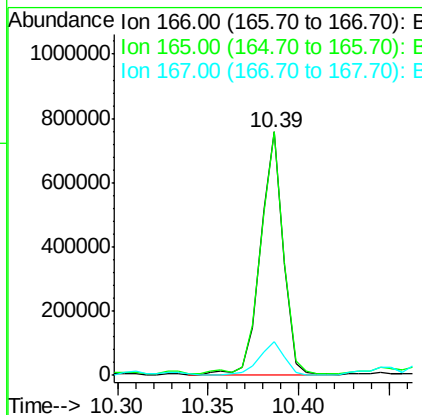
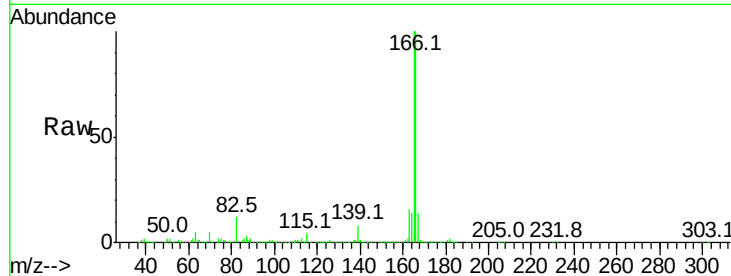
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	166	Resp:	653937
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.8	119.8
167	14.0	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 31.390 ng

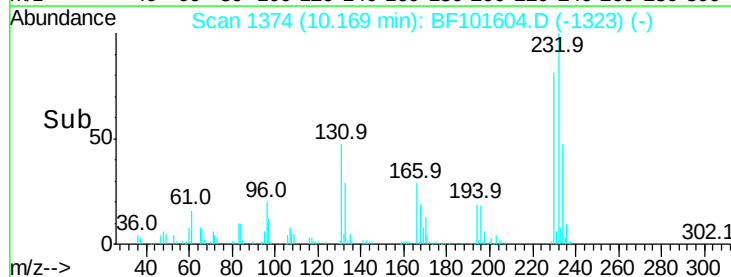
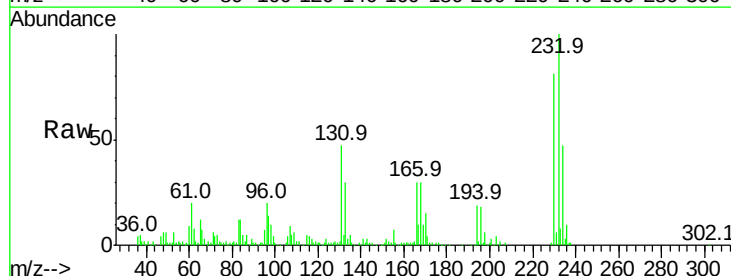
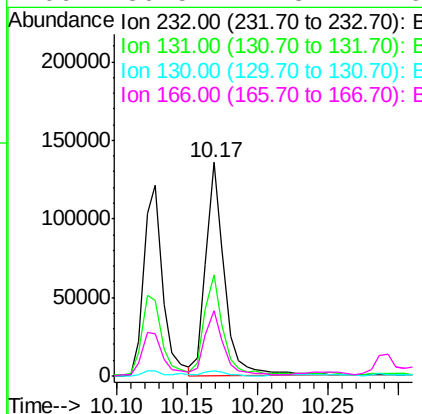
RT: 10.17 min Scan# 1374

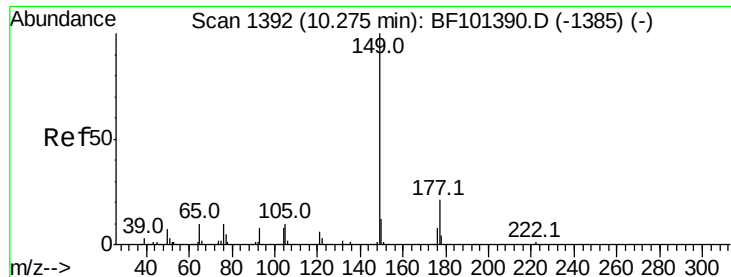
Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	232	Resp:	124090
Ion Ratio	Lower	Upper	
232	100		
131	46.2	43.8	65.8
130	2.3	2.1	3.1
166	30.5	27.8	41.6





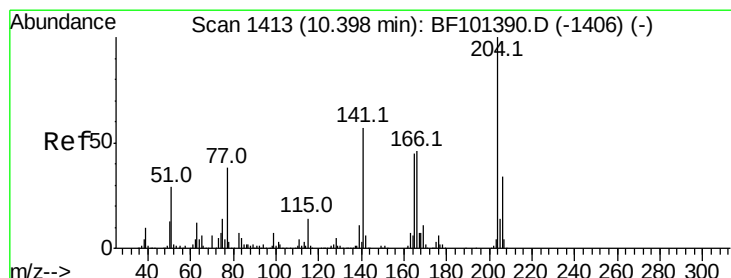
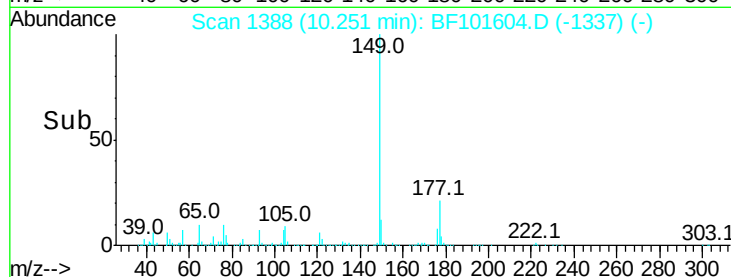
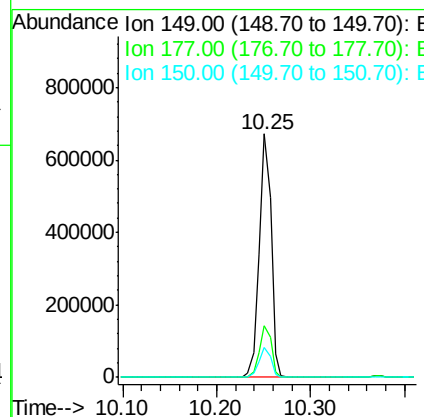
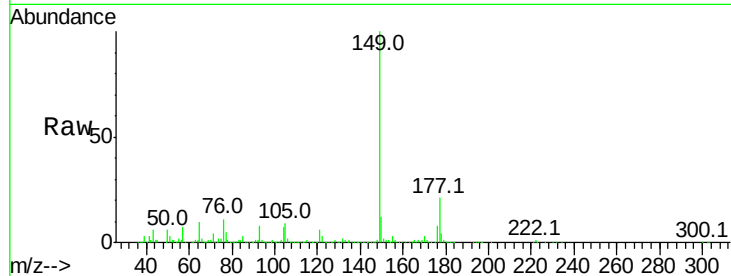
#59
Diethylphthalate
Concen: 29.782 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	586504		
177	21.2	16.1	24.1	
150	12.5	10.1	15.1	

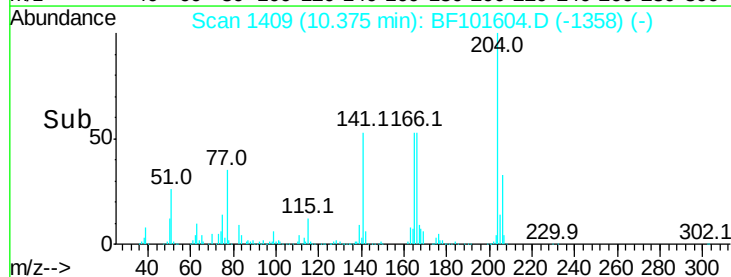
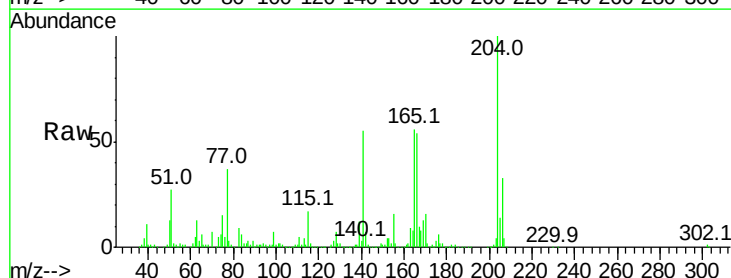
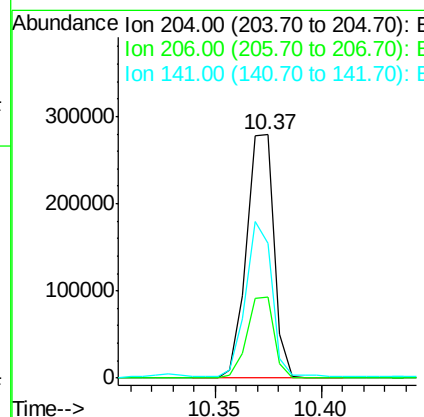
Manual Integrations
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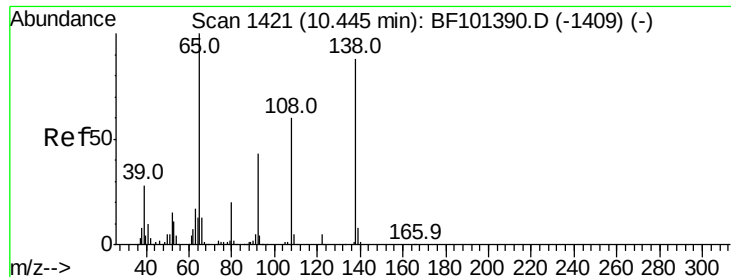
Sohil
12/22/2017 12:41:45 PM



#60
4-Chlorophenyl-phenylether
Concen: 30.818 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	252784		
206	33.4	26.5	39.7	
141	55.3	54.6	81.8	





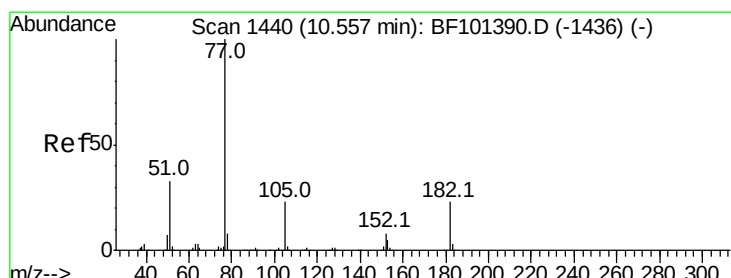
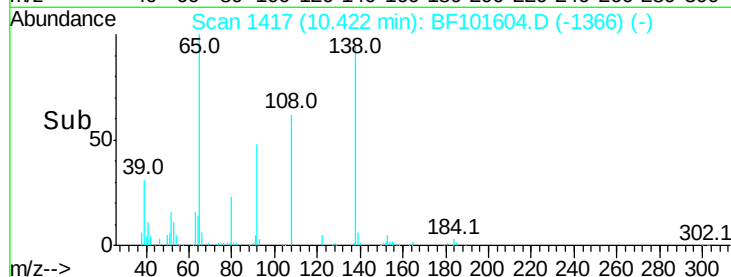
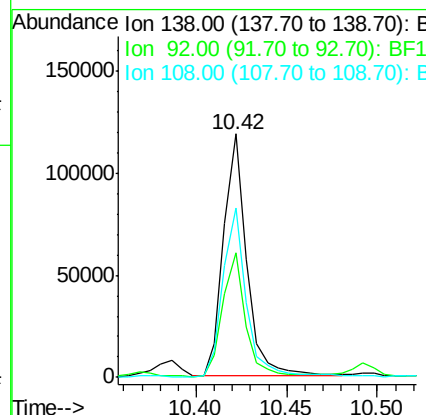
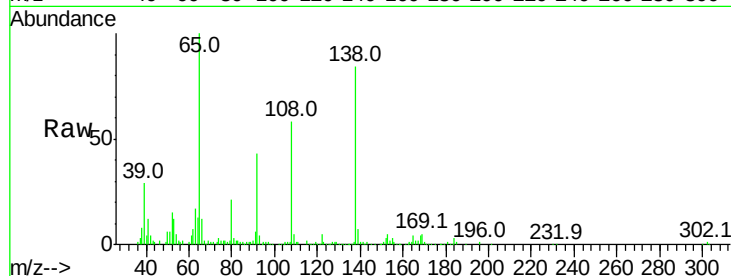
#61
4-Nitroaniline
Concen: 20.988 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.0	30.2	70.2
108	69.3	52.5	92.5

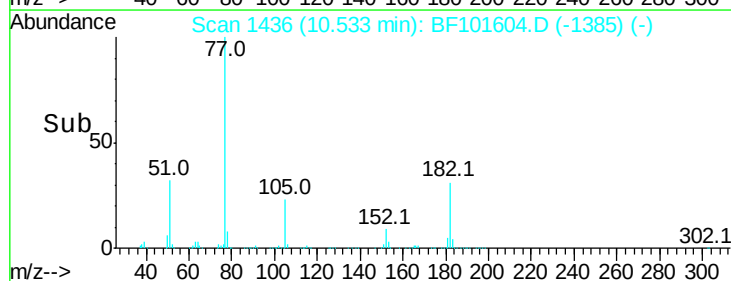
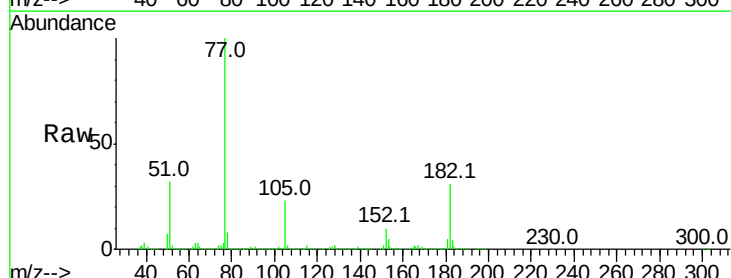
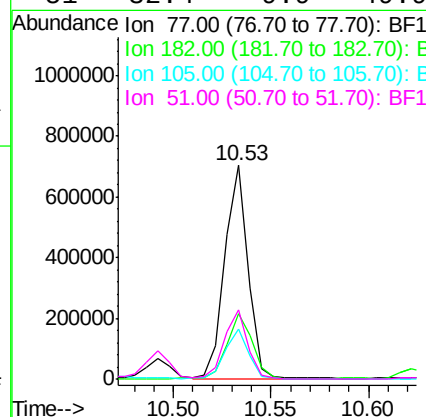
Manual Integrations
APPROVED

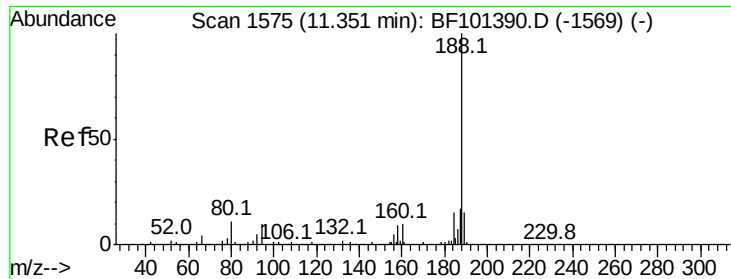
Sohil
12/22/2017 12:41:45 PM



#62
Azobenzene
Concen: 28.280 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
77	100		
182	30.6	1.7	41.7
105	23.3	3.0	43.0
51	32.4	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

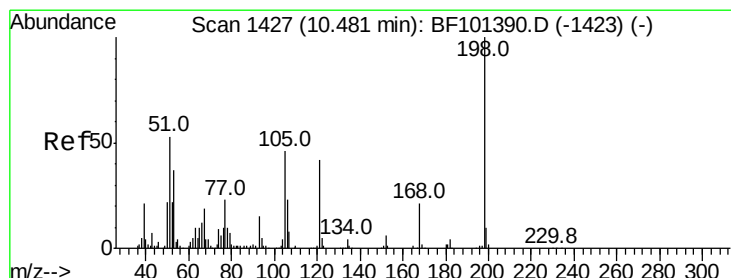
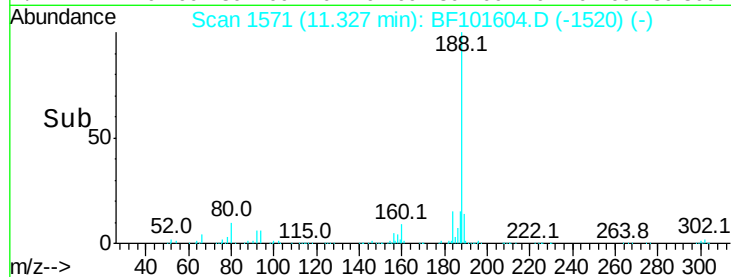
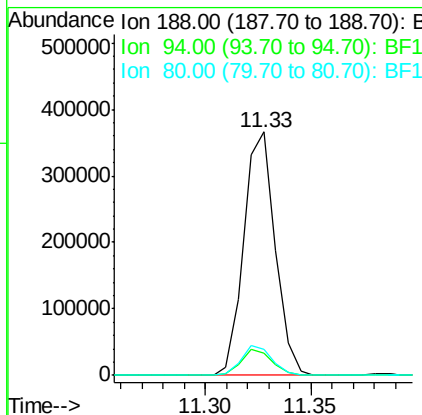
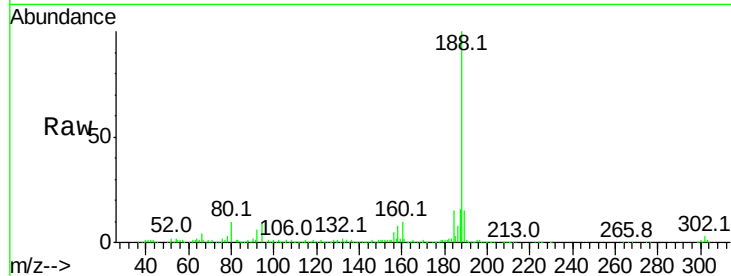
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	188	Resp:	377011
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	10.5	9.2	13.8

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 7.283 ng m

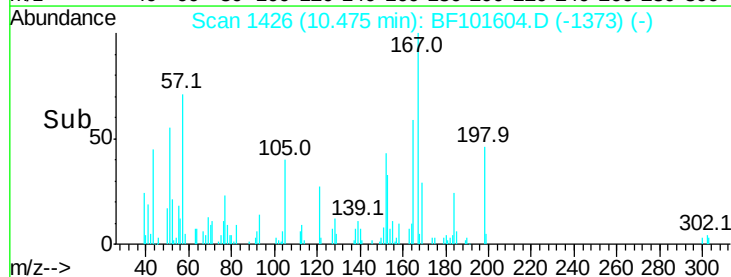
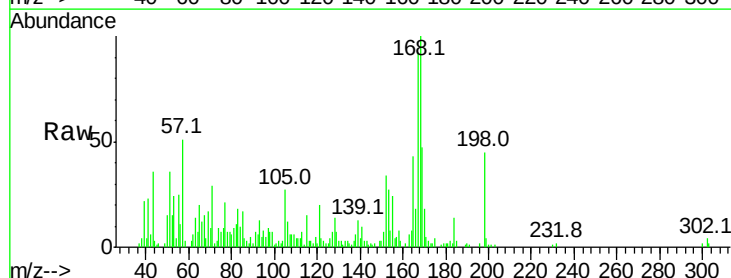
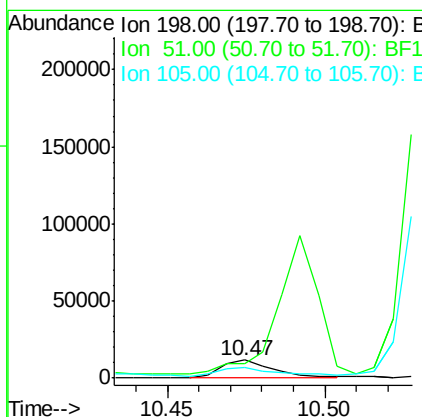
RT: 10.47 min Scan# 1426

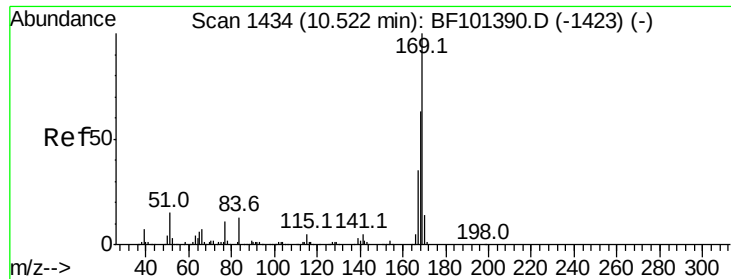
Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	198	Resp:	14011
Ion Ratio	Lower	Upper	
198	100		
51	81.2	37.7	77.7#
105	60.0	36.3	76.3





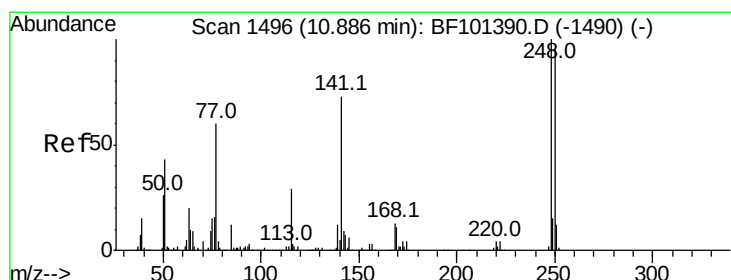
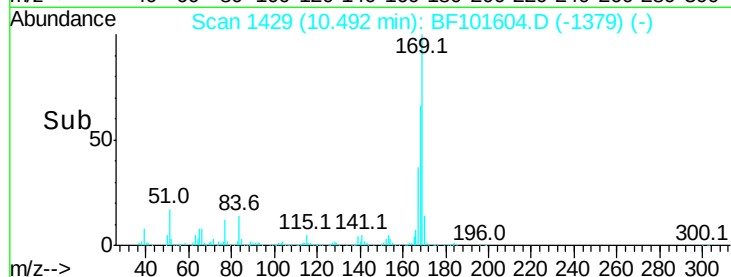
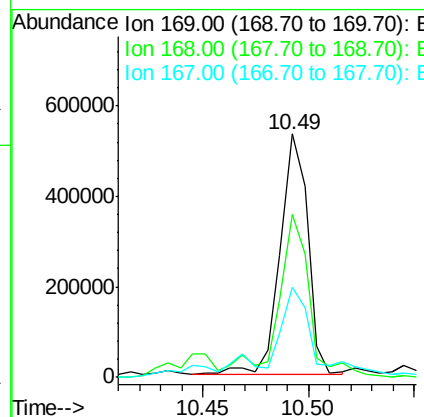
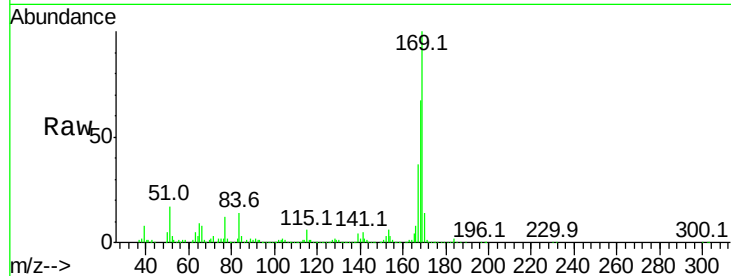
#65
 n-Nitrosodiphenylamine
 Concen: 34.518 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion:	169	Resp:	480517
Ion Ratio	Lower	Upper	
169	100		
168	66.8	54.4	81.6
167	36.8	29.8	44.6

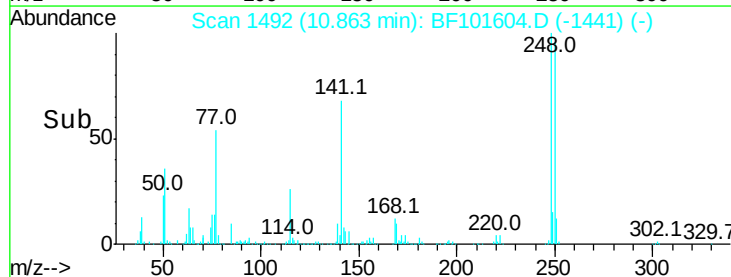
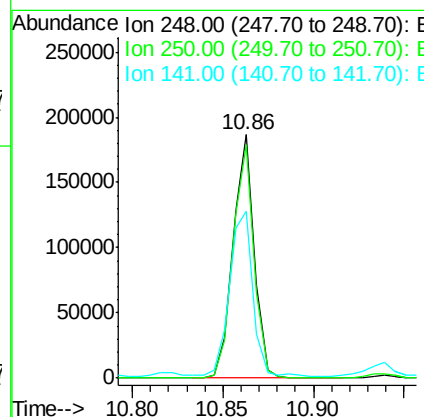
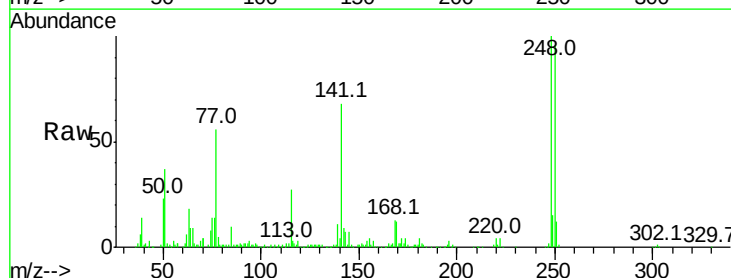
Manual Integrations
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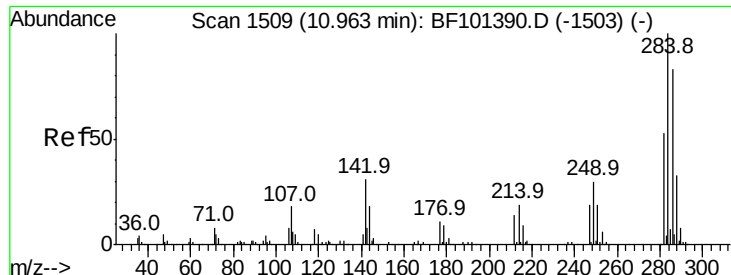
Sohil
 12/22/2017 12:41:45 PM



#66
 4-Bromophenyl-phenylether
 Concen: 35.634 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion:	248	Resp:	150951
Ion Ratio	Lower	Upper	
248	100		
250	96.1	76.9	115.3
141	68.4	74.4	111.6#





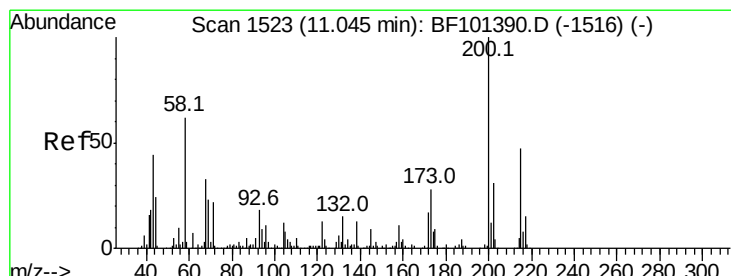
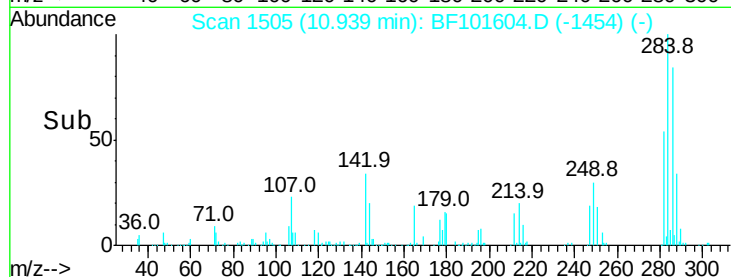
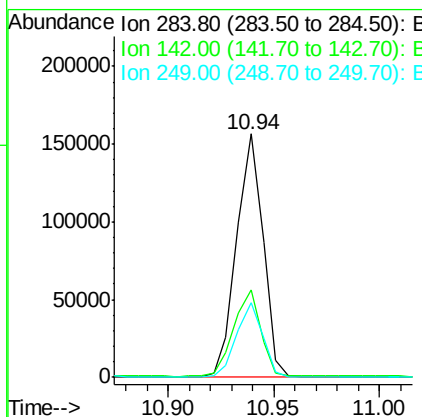
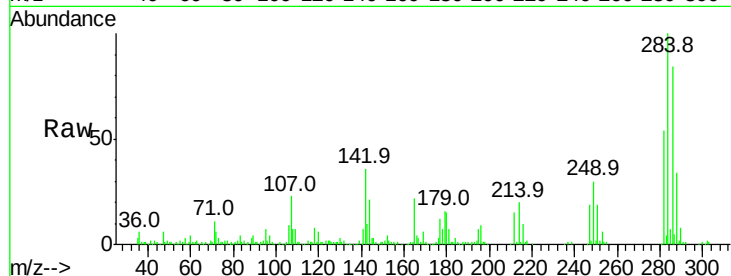
#67
Hexachlorobenzene
Concen: 30.322 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	36.0	34.6	52.0	
249	30.5	24.8	37.2	

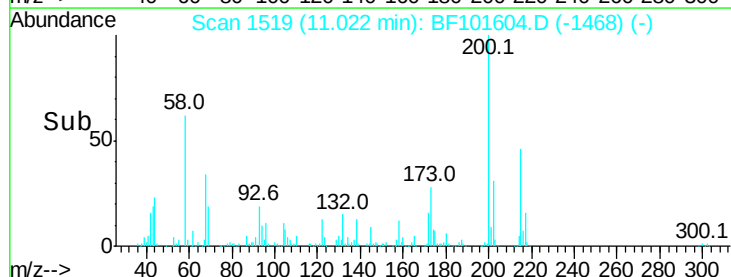
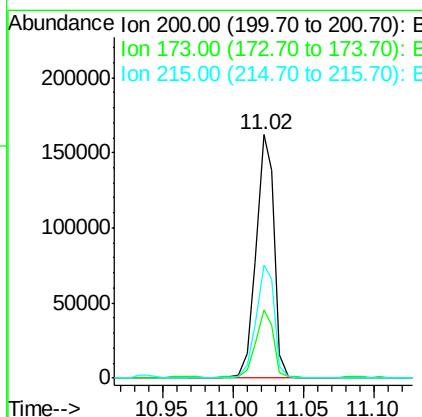
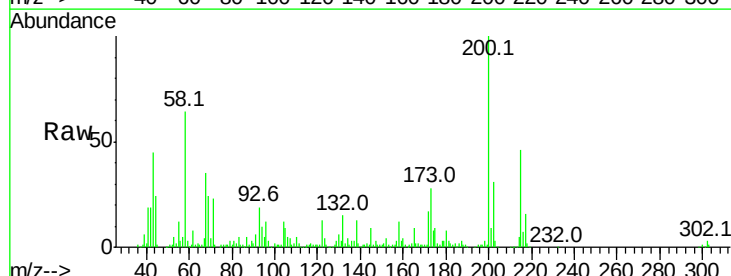
Manual Integrations
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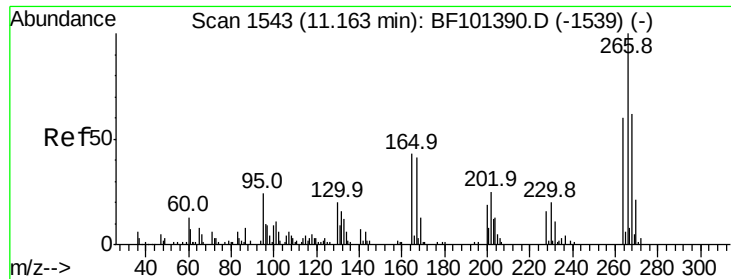
Sohil
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#68
Atrazine
Concen: 35.463 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	28.0	8.6	48.6	
215	46.5	25.1	65.1	





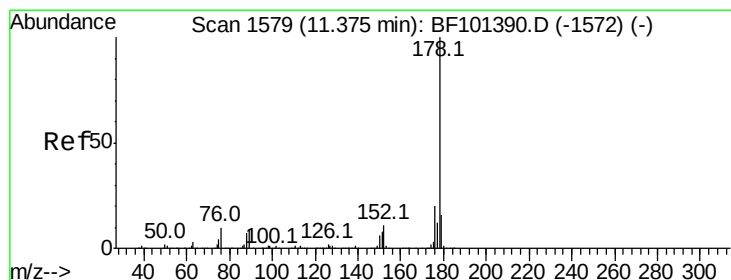
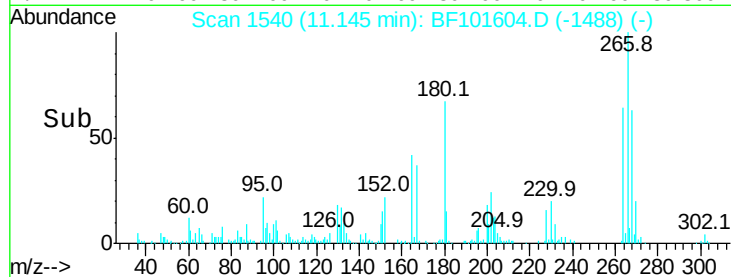
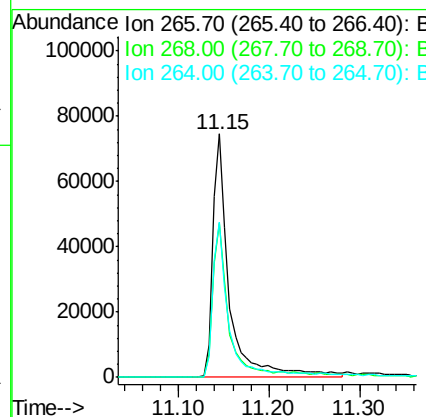
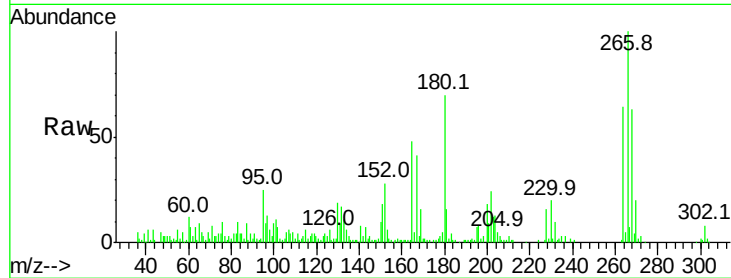
#69
 Pentachlorophenol
 Concen: 57.599 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.1	76.7
264	63.9	49.5	74.3

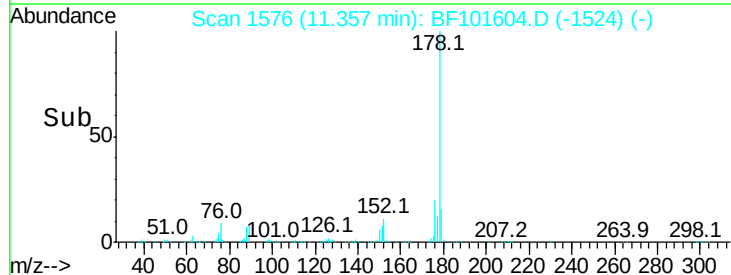
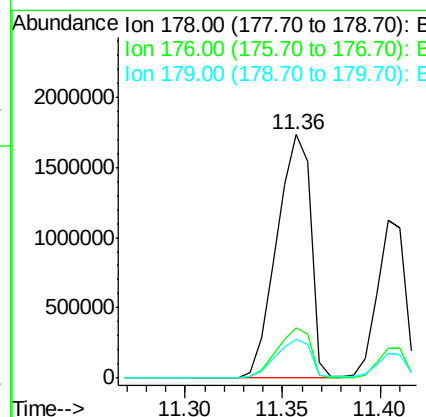
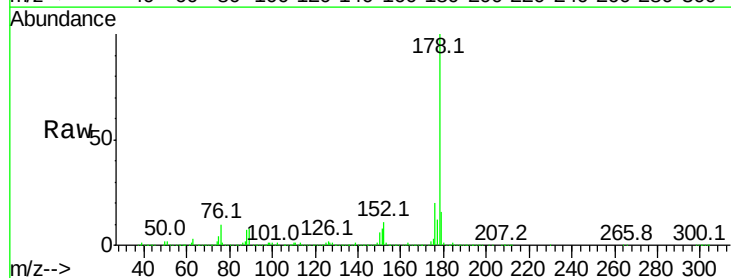
Manual Integrations
 APPROVED

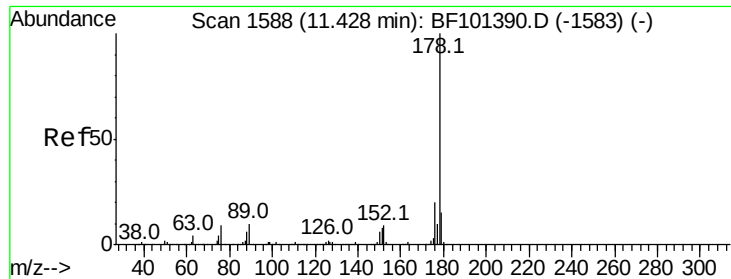
Sohil
 12/22/2017 12:41:45 PM



#70
 Phenanthrene
 Concen: 99.719 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.1	13.0	19.6





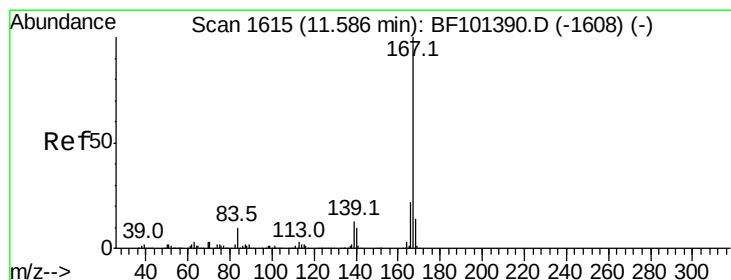
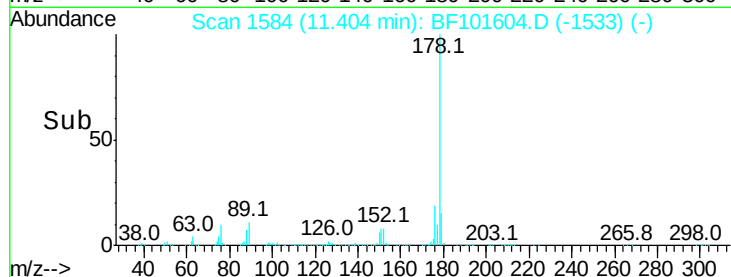
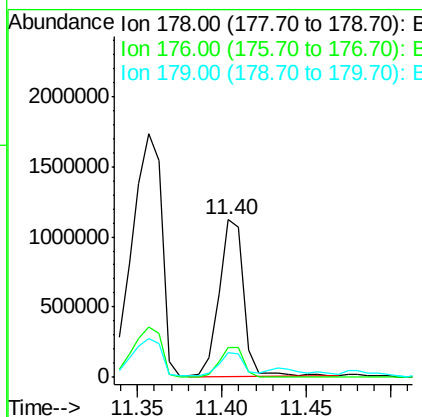
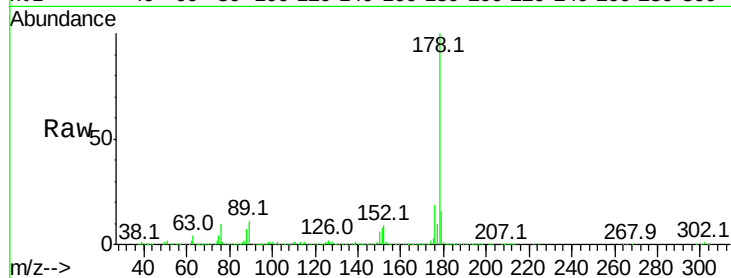
#71
 Anthracene
 Concen: 52.569 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	19.0

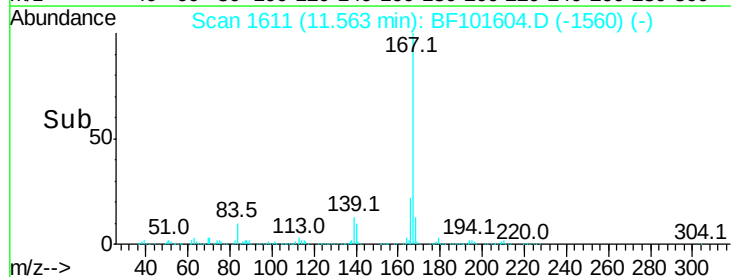
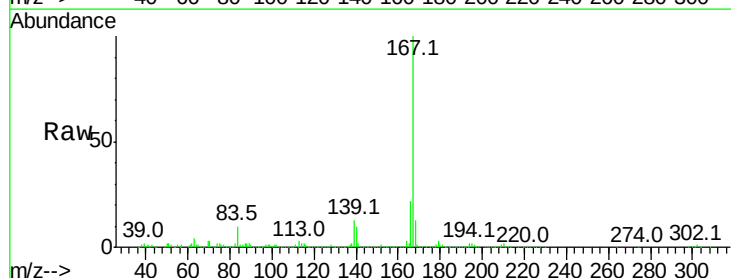
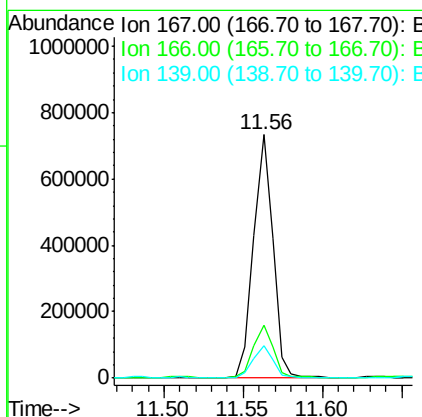
Manual Integrations
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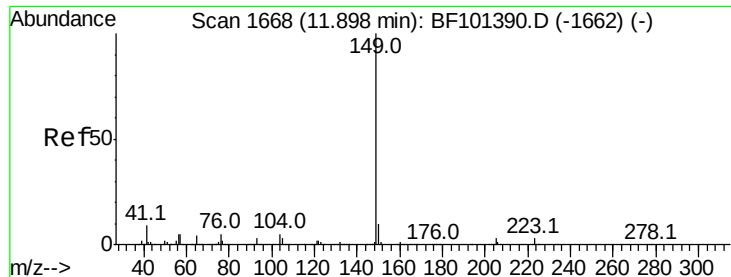
Sohil
 12/22/2017 12:41:45 PM



#72
 Carbazole
 Concen: 30.935 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.4	10.9	16.3





#73

Di-n-butylphthalate

Concen: 32.702 ng

RT: 11.87 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

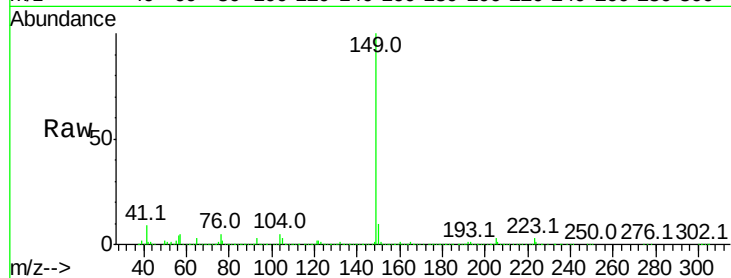
ClientSampleId :

PL-01-121917-AMS

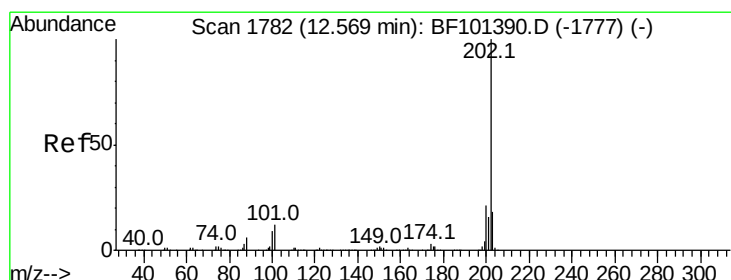
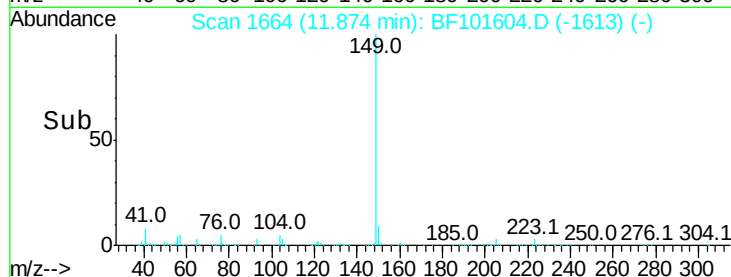
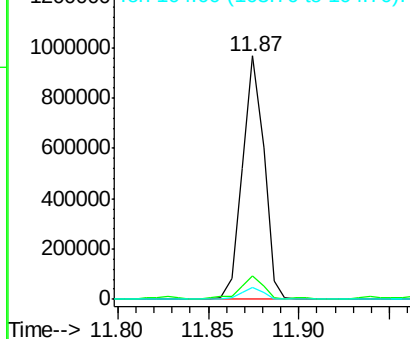
Tot Ion:	149	Resp:	795857
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.8	11.6
104	4.8	3.8	5.8

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 156.930 ng

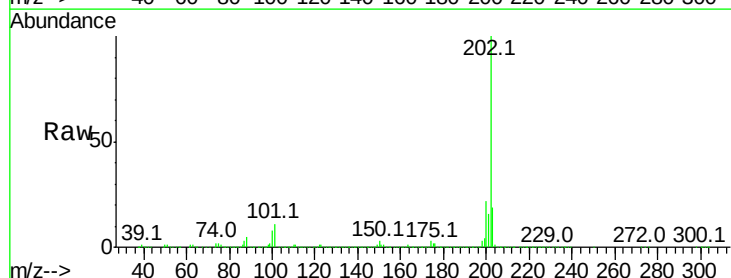
RT: 12.56 min Scan# 1781

Delta R.T. 0.02 min

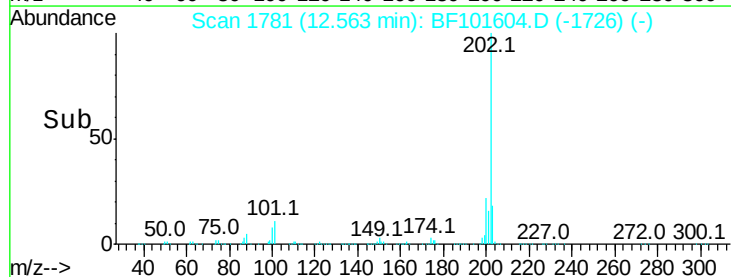
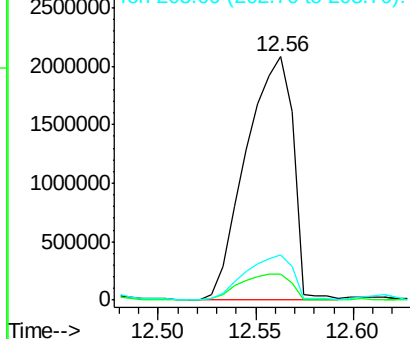
Lab File: BF101604.D

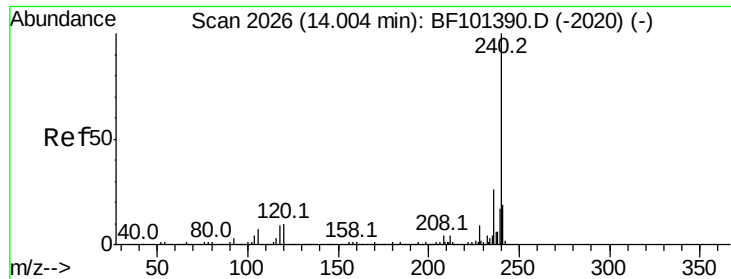
Acq: 21 Dec 2017 14:02

Tgt Ion:	202	Resp:	3453558
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	18.5	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: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

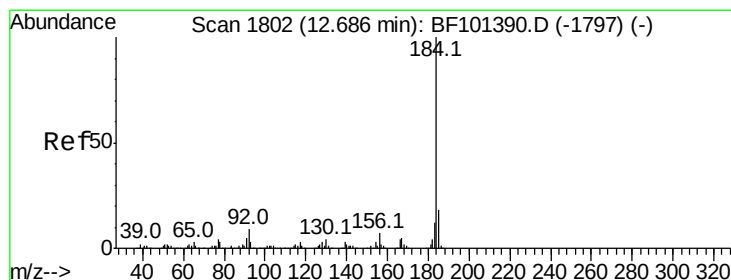
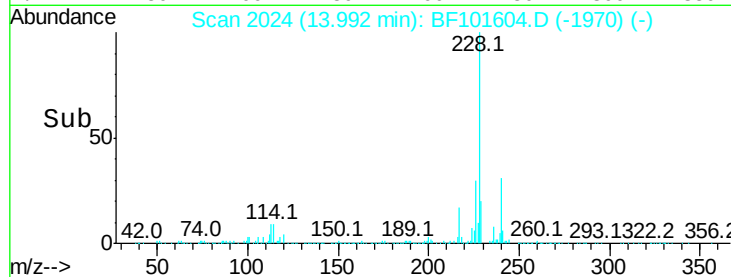
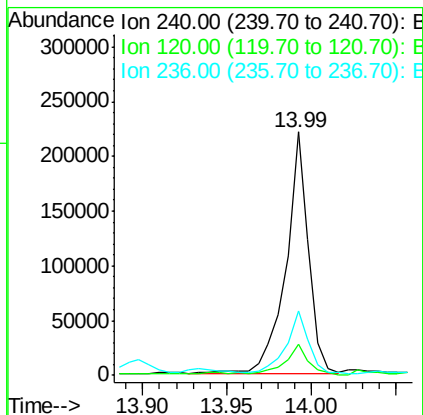
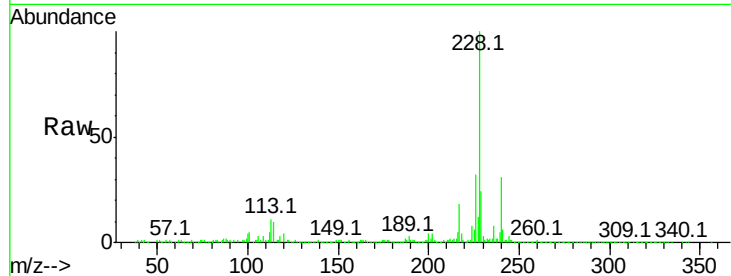
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	240	Resp:	205481
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	26.5	20.7	31.1

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#76

Benzidine

Concen: 5.069 ng

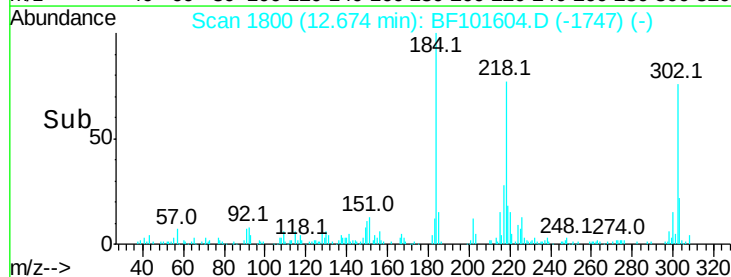
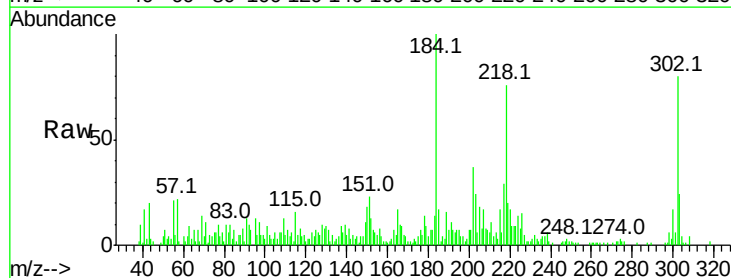
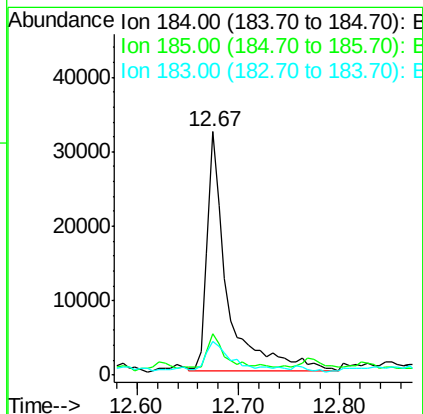
RT: 12.67 min Scan# 1800

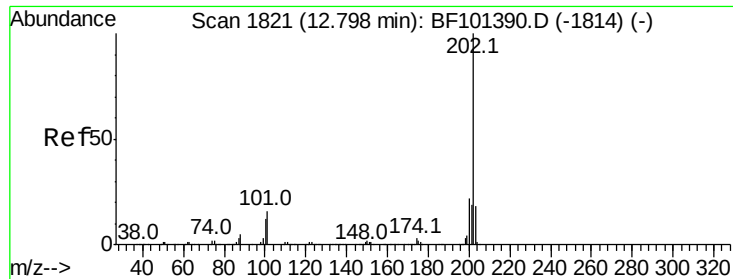
Delta R.T. 0.01 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	184	Resp:	43992
Ion Ratio	Lower	Upper	
184	100		
185	17.1	12.6	18.8
183	13.9	9.3	13.9





#77

Pvrene

Concen: 219.188 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.02 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Instrument :

BNA_F

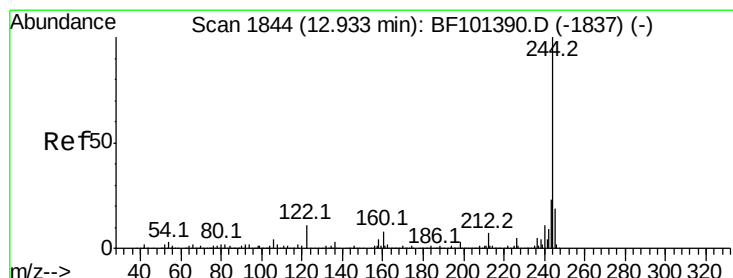
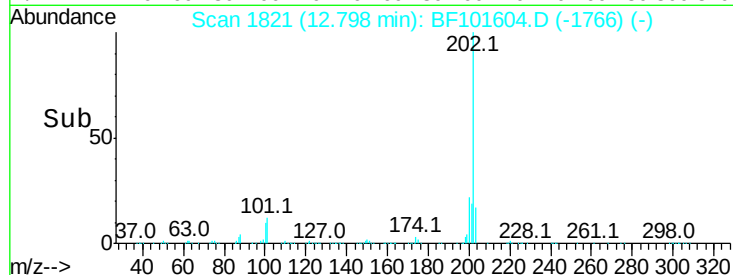
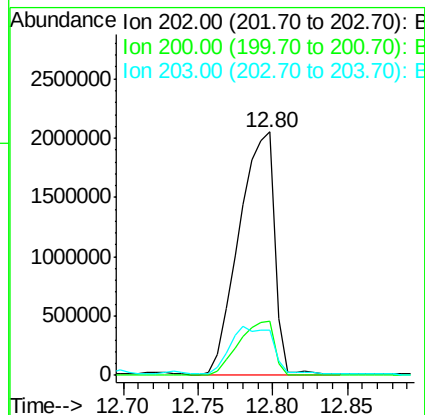
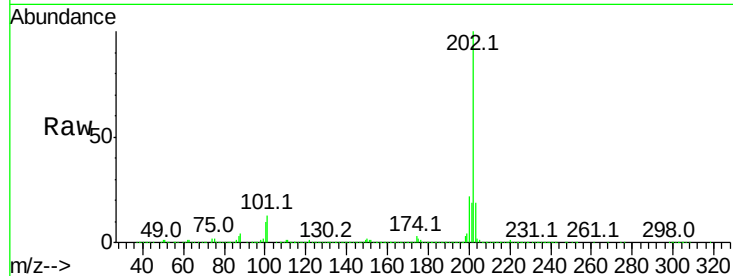
ClientSampleId :

PL-01-121917-AMS

Tot Ion:	202	Resp:	3380171
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 96.702 ng

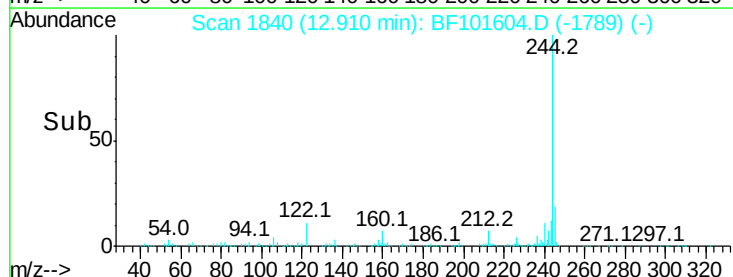
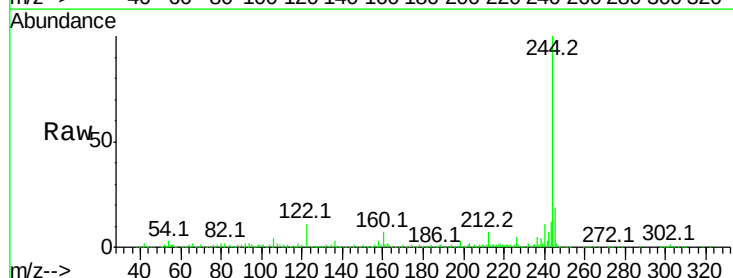
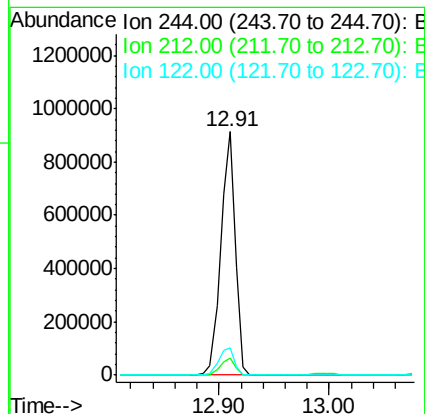
RT: 12.91 min Scan# 1840

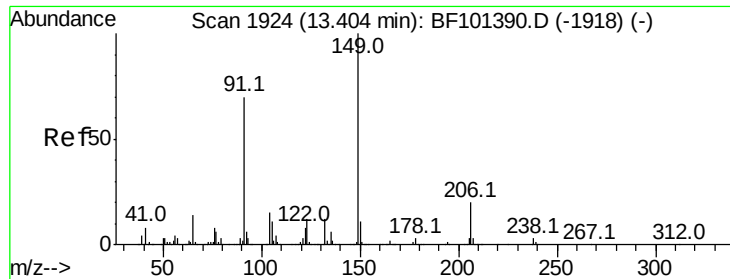
Delta R.T. 0.00 min

Lab File: BF101604.D

Acq: 21 Dec 2017 14:02

Tgt Ion:	244	Resp:	824235
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.2	11.0	16.4





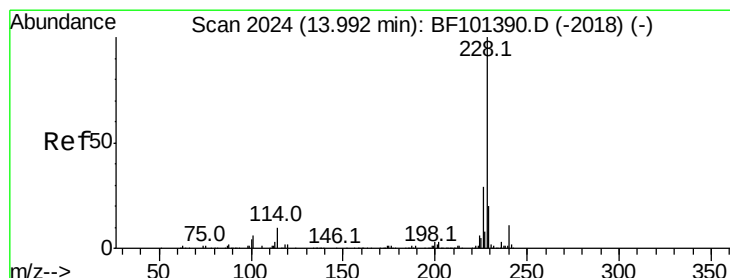
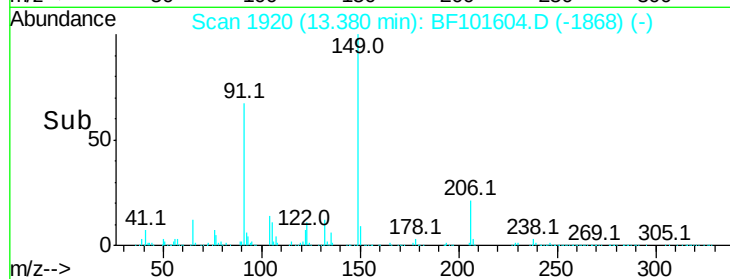
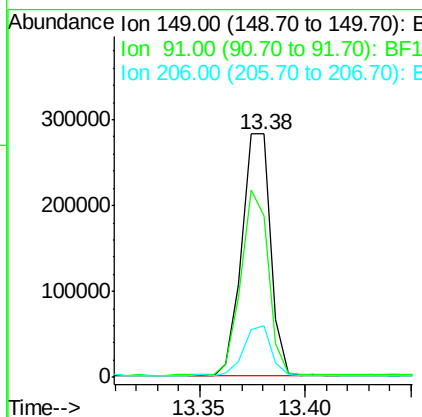
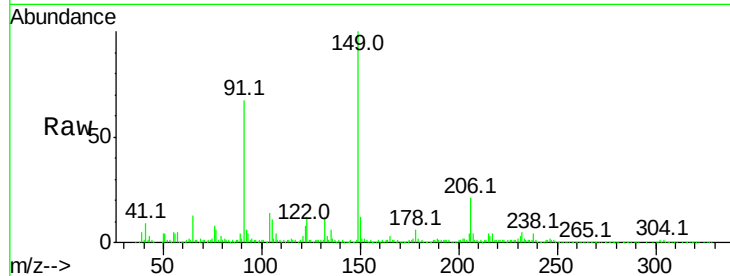
#79
Butylbenzylphthalate
Concen: 38.245 ng
RT: 13.38 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	266865		
91	66.6	56.8	85.2	
206	21.2	14.1	21.1	

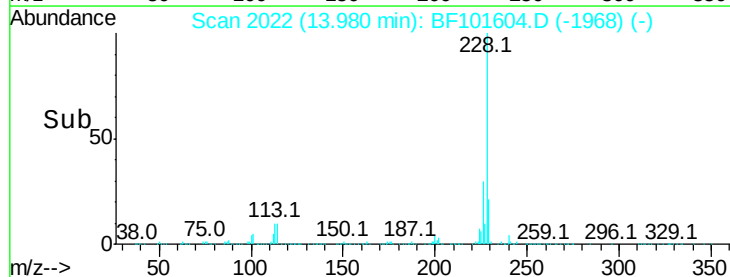
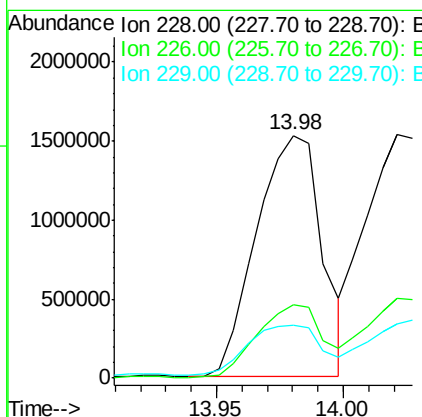
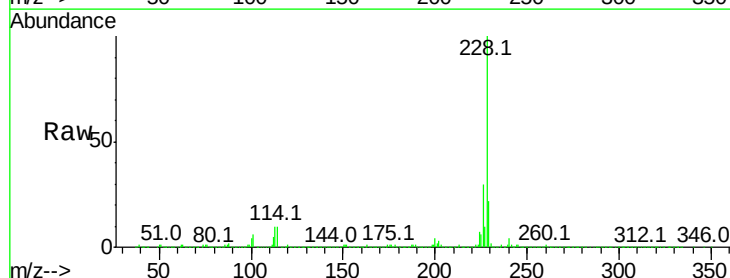
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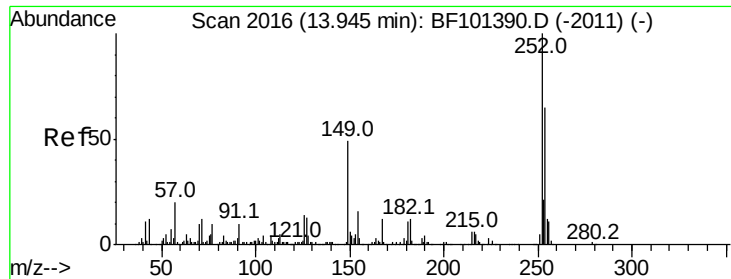
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#80
Benzo(a)anthracene
Concen: 202.636 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.02 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2749416		
226	30.3	22.6	33.8	
229	22.0	15.8	23.6	





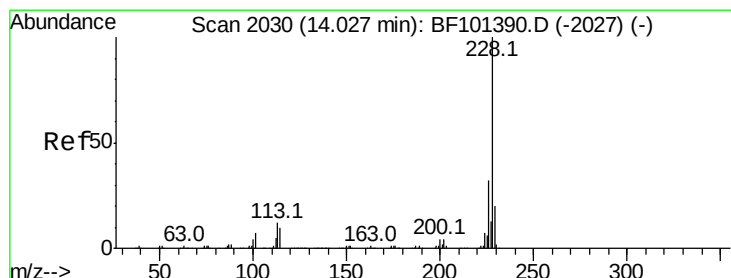
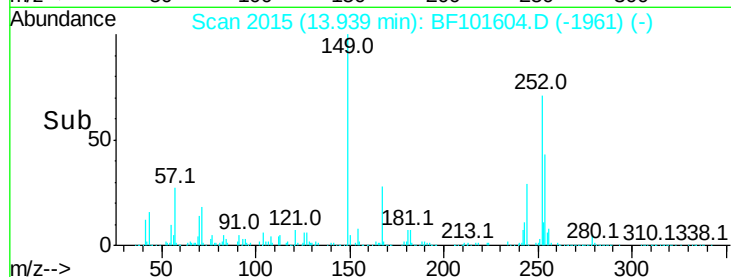
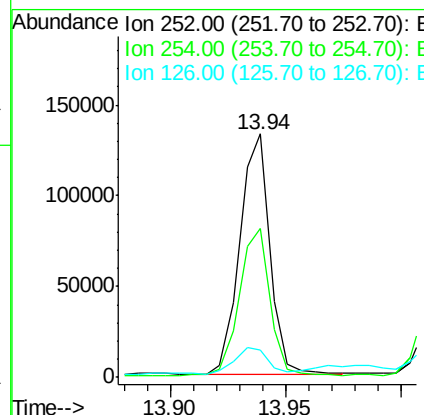
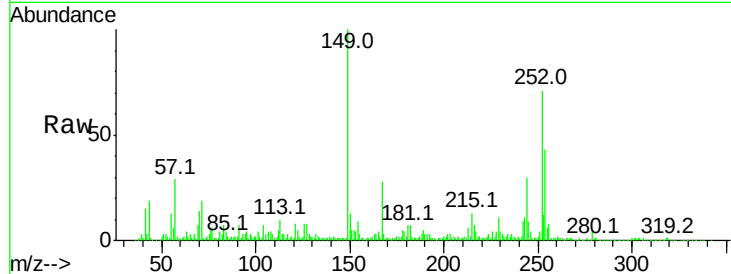
#81
 3,3'-Dichlorobenzidine
 Concen: 27.327 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.02 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	61.0	50.4	75.6
126	11.1	11.3	16.9

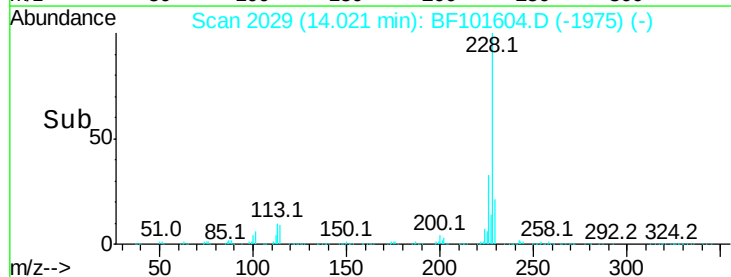
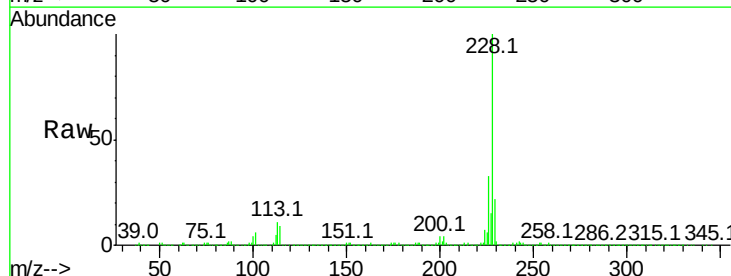
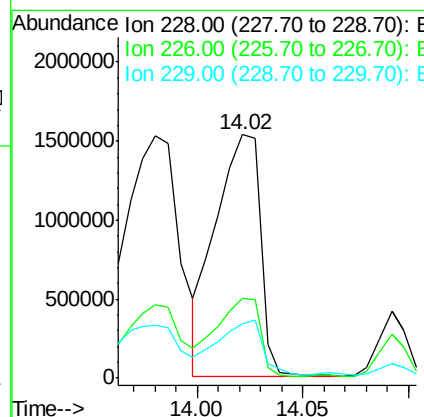
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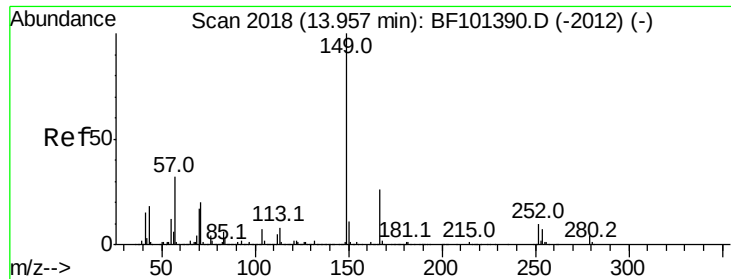
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#82
 Chrysene
 Concen: 176.262 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.02 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	33.0	25.0	37.6
229	22.4	16.2	24.4





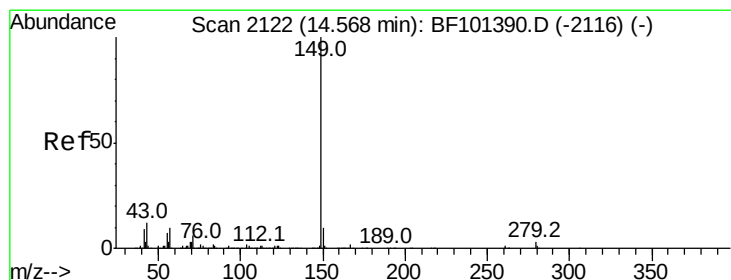
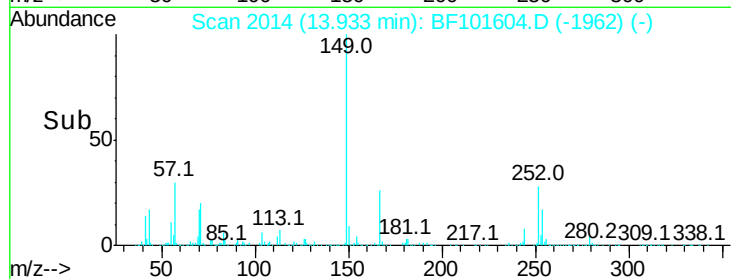
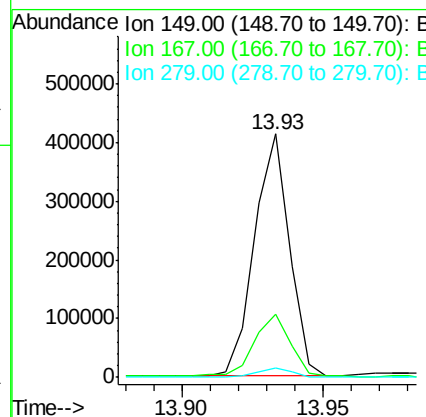
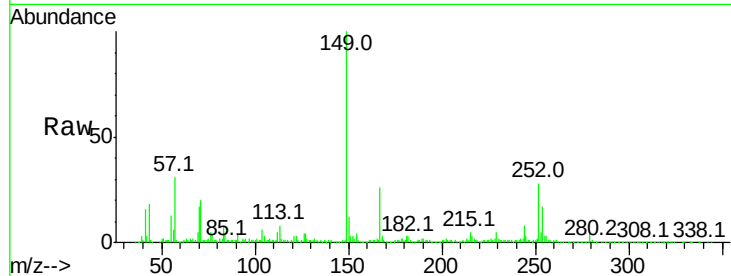
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.956 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.0	21.3	31.9	
279	3.6	3.0	4.4	

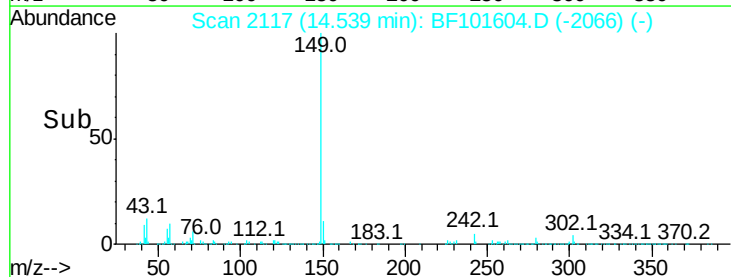
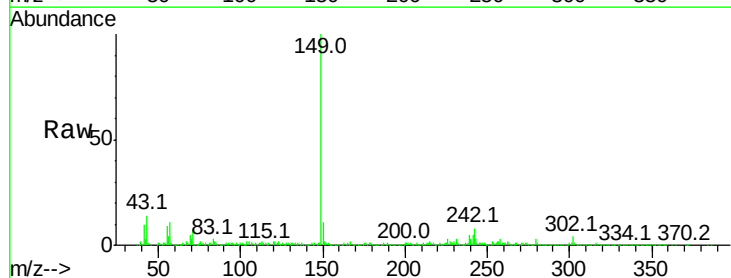
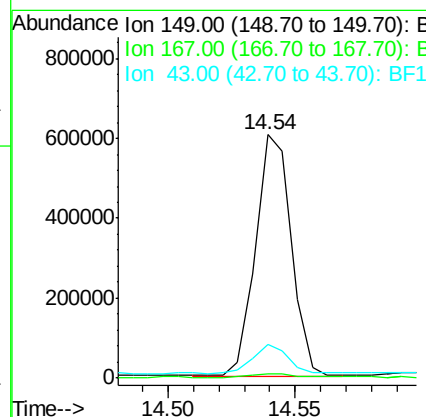
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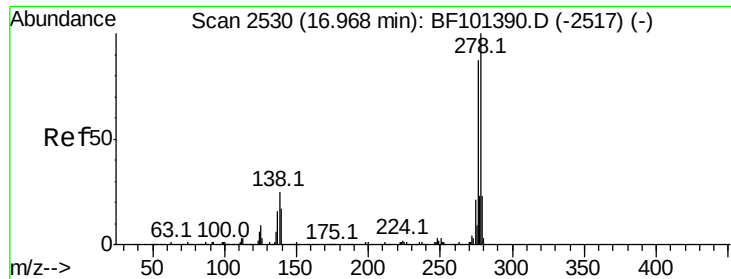
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#84
 Di-n-octyl phthalate
 Concen: 37.988 ng
 RT: 14.54 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	2.1	1.2	1.8#	
43	11.6	8.4	12.6	





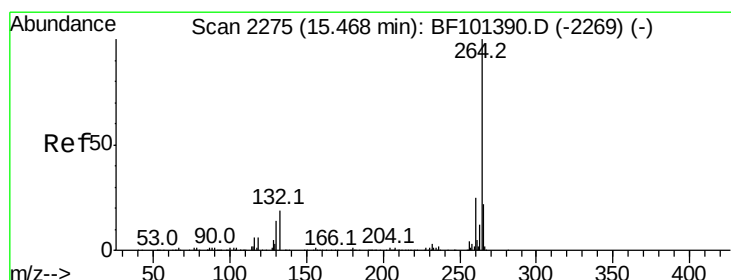
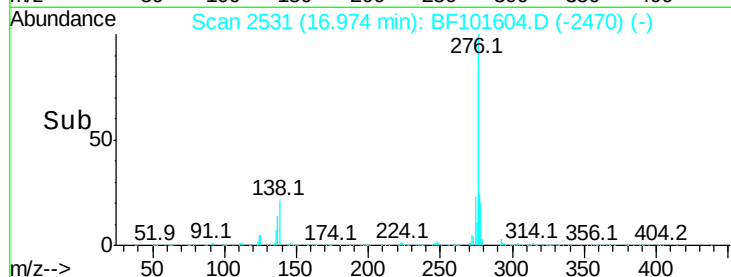
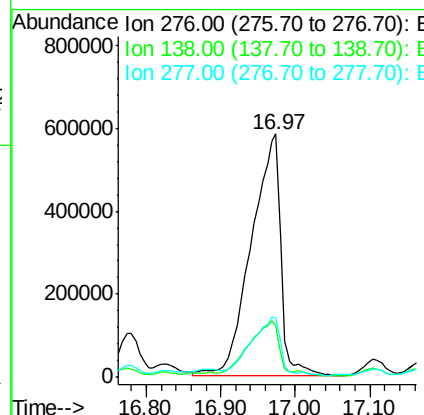
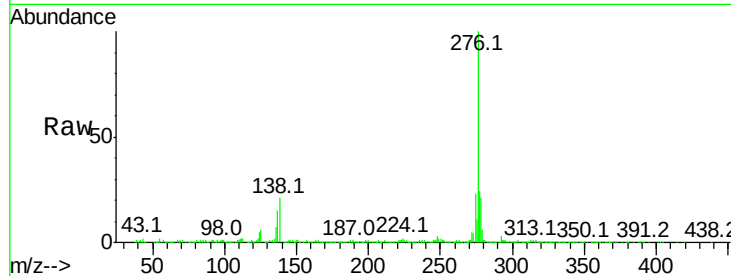
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 139.428 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.06 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.1	20.1	30.1

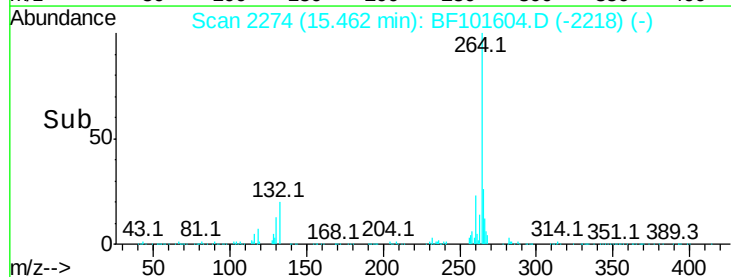
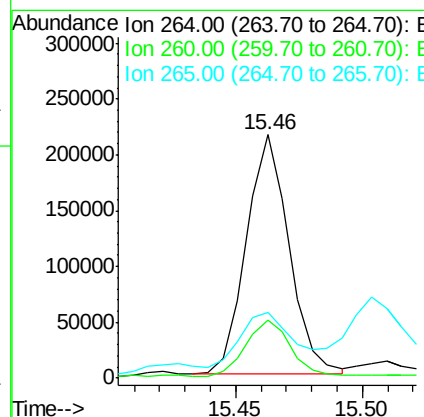
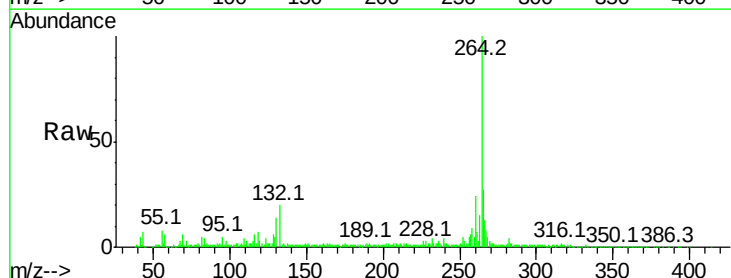
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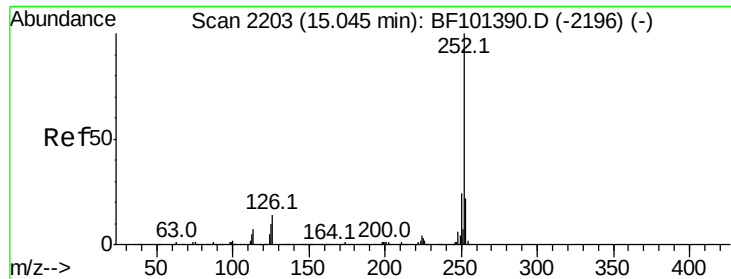
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.03 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	26.8	17.5	26.3#





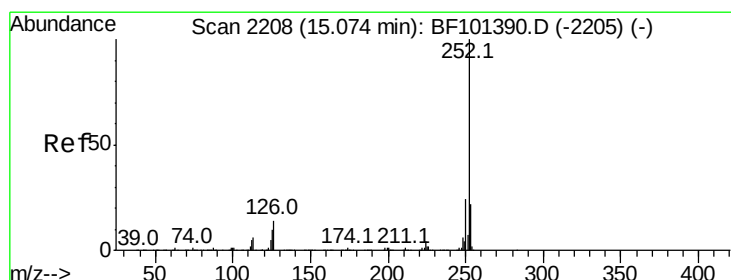
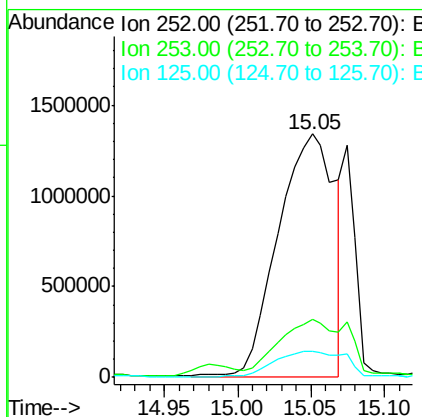
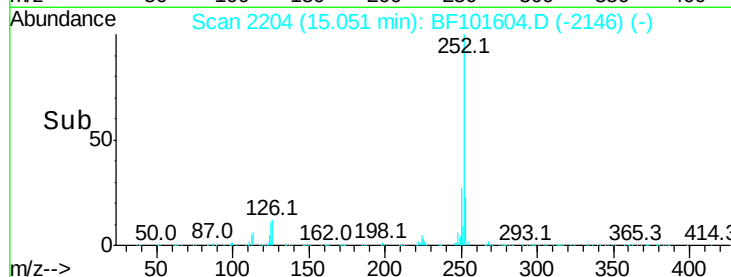
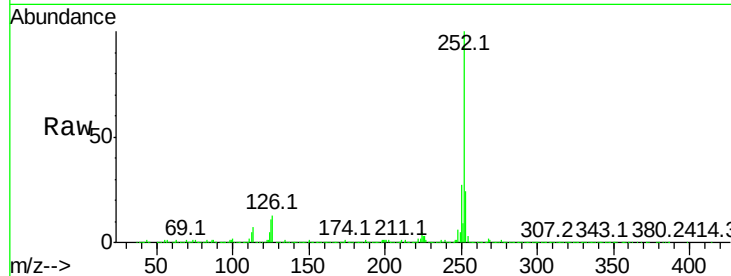
#87
Benzo(b)fluoranthene
Concen: 234.462 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.04 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion:252 Resp: 3603872
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 10.9 9.0 13.6

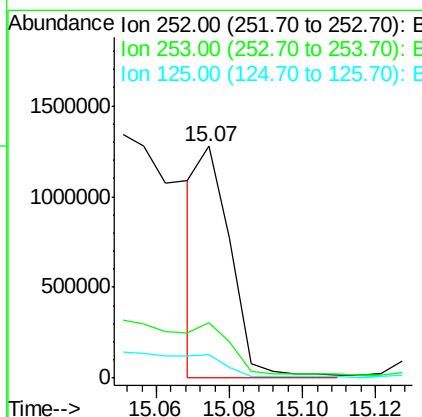
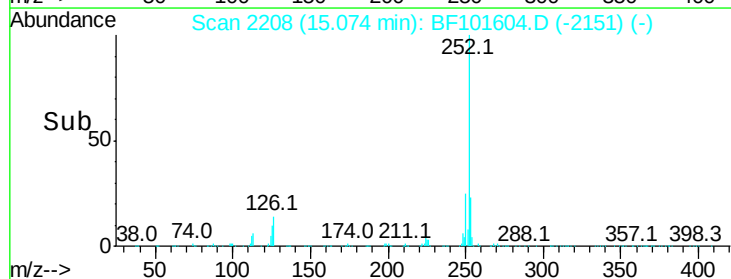
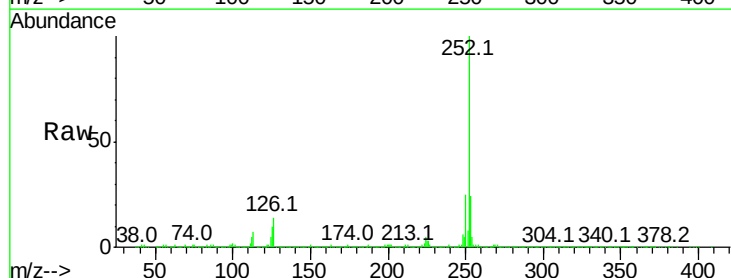
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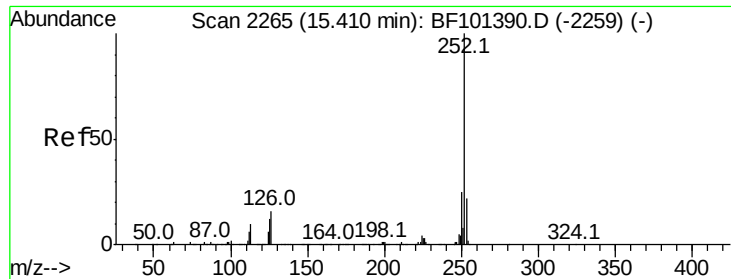
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#88
Benzo(k)fluoranthene
Concen: 52.593 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.04 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion:252 Resp: 785988
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 10.3 10.2 15.2





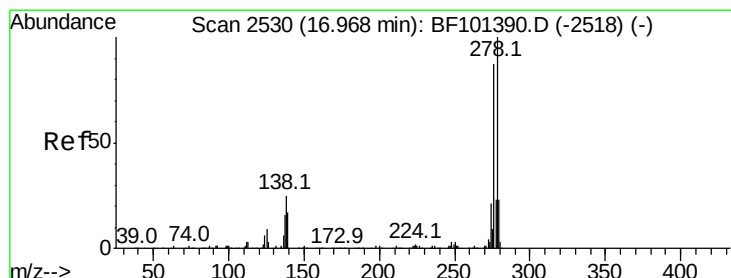
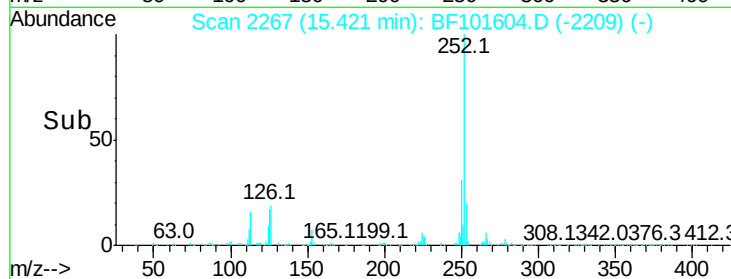
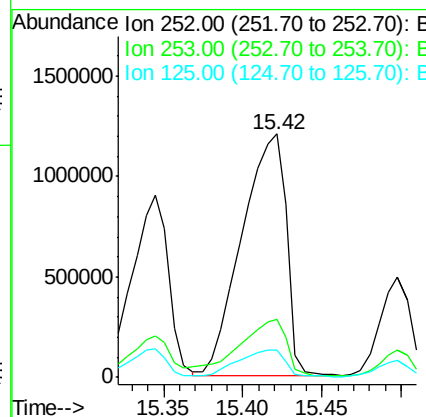
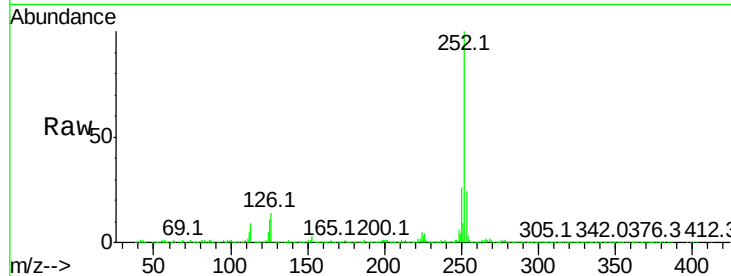
#89
Benzo(a)pyrene
Concen: 166.483 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.04 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	11.0	9.8	14.6

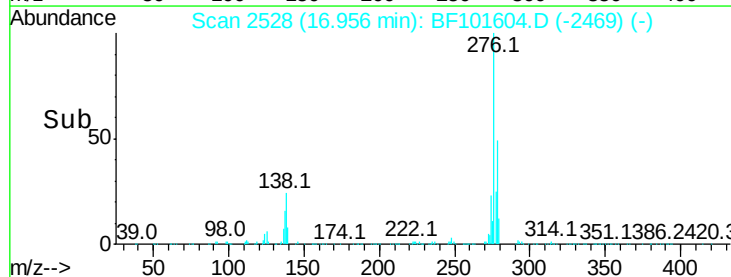
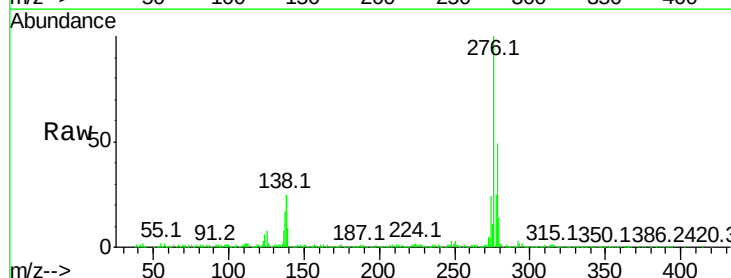
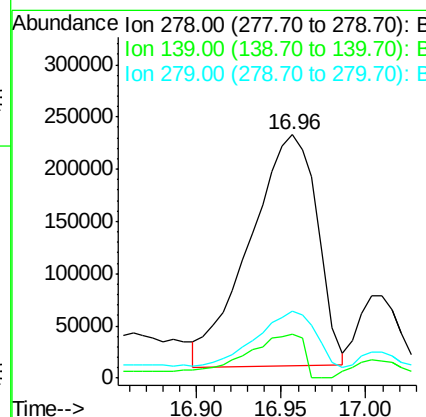
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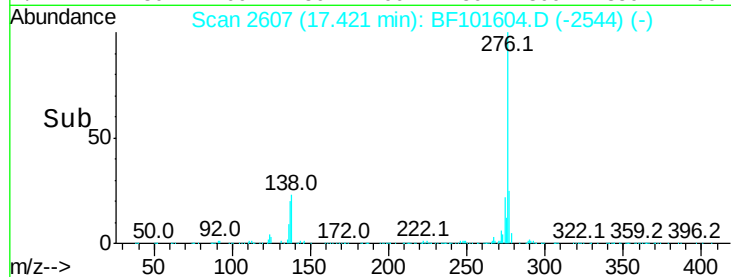
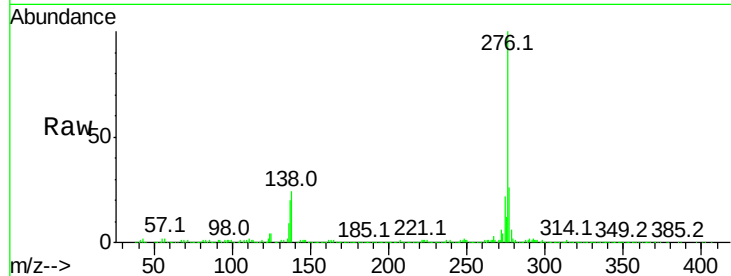
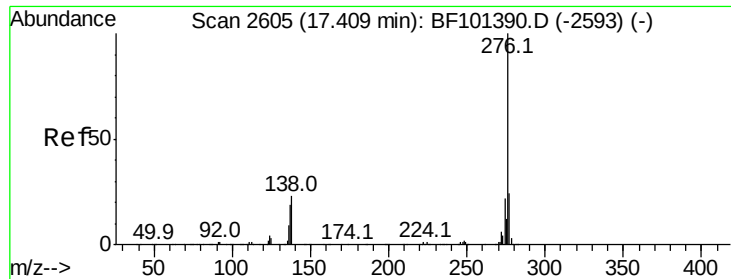
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#90
Dibenzo(a,h)anthracene
Concen: 50.518 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.05 min
Lab File: BF101604.D
Acq: 21 Dec 2017 14:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.9	23.9
279	27.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 116.342 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.07 min
 Lab File: BF101604.D
 Acq: 21 Dec 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-AMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	23.6	21.8	32.8

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