

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097507.D
 Acq On : 9 Aug 2017 9:55
 Operator : SJ/JU
 Sample : I4592-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:17:00 PM

Quant Time: Aug 09 17:19:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	94583	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	375544	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	130386	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	209366	20.00	ng	0.00
75) Chrysene-d12	13.53	240	125457	20.00	ng	0.00
86) Perylene-d12	14.87	264	107613	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.03	112	878992	140.10	ng	0.02
7) Phenol-d6	6.09	99	953567	133.13	ng	0.00
23) Nitrobenzene-d5	6.99	82	597837	93.39	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	151288	146.86	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	860371	111.99	ng	0.00
78) Terphenyl-d14	12.49	244	601513	97.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.09	88	122301	46.710	ng	# 65
3) Pyridine	2.65	79	321067m	40.046	ng	
4) n-Nitrosodimethylamine	2.59	42	217157	48.891	ng	80
6) Aniline	6.08	93	146854	16.293	ng	# 80
8) 2-Chlorophenol	6.20	128	299245	44.604	ng	92
9) Benzaldehyde	5.96	77	108273	25.538	ng	98
10) Phenol	6.10	94	341951	40.248	ng	98
11) bis(2-Chloroethyl)ether	6.16	93	319592	47.561	ng	88
12) 1,3-Dichlorobenzene	6.35	146	311152	43.037	ng	97
13) 1,4-Dichlorobenzene	6.43	146	316155	44.125	ng	97
14) 1,2-Dichlorobenzene	6.58	146	272305	43.527	ng	96
15) Benzyl Alcohol	6.58	79	248688	54.838	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.70	45	621729	46.130	ng	98
17) 2-Methylphenol	6.71	107	235970	45.573	ng	# 90
18) Hexachloroethane	6.91	117	94979	36.234	ng	# 78
19) n-Nitroso-di-n-propylamine	6.85	70	206062	43.706	ng	# 83
20) 3+4-Methylphenols	6.87	107	309648	45.788	ng	# 62
22) Acetophenone	6.83	105	393880	43.674	ng	# 97
24) Nitrobenzene	7.00	77	304469	45.667	ng	93
25) Isophorone	7.25	82	513697	40.975	ng	96
26) 2-Nitrophenol	7.32	139	142925	39.624	ng	# 88
27) 2,4-Dimethylphenol	7.38	122	245581	41.273	ng	97
28) bis(2-Chloroethoxy)methane	7.46	93	352298	43.062	ng	99
29) 2,4-Dichlorophenol	7.58	162	229407	44.754	ng	97
30) 1,2,4-Trichlorobenzene	7.64	180	205382	42.036	ng	97
31) Naphthalene	7.71	128	814511	46.011	ng	100
32) Benzoic acid	7.57	122	121984	27.455	ng	92
33) 4-Chloroaniline	7.78	127	100742	13.986	ng	95
34) Hexachlorobutadiene	7.83	225	110447	42.640	ng	97
35) Caprolactam	8.17	113	61981	37.709	ng	# 67
36) 4-Chloro-3-methylphenol	8.29	107	245631	43.923	ng	89
37) 2-Methylnaphthalene	8.40	142	535520	47.778	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.57	216	186780	53.687	ng	99
40) Hexachlorocyclopentadiene	8.56	237	5210	10.521	ng	89

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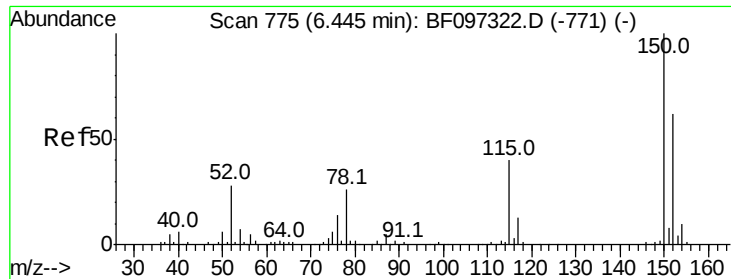
Manual Integrations
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Sohil
 8/9/2017 7:17:00 PM

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	120106	47.639	nq	98
43) 2,4,5-Trichlorophenol	8.76	196	112468	44.569	nq	97
45) 1,1'-Biphenyl	8.87	154	544543	48.896	nq	99
46) 2-Chloronaphthalene	8.89	162	405782	49.513	nq	94
47) 2-Nitroaniline	9.00	65	156906	52.755	nq	93
48) Acenaphthylene	9.30	152	647185	51.448	nq	99
49) Dimethylphthalate	9.18	163	545355	55.079	nq	99
50) 2,6-Dinitrotoluene	9.25	165	103066	49.079	nq #	74
51) Acenaphthene	9.47	154	352391	47.558	nq	98
52) 3-Nitroaniline	9.42	138	88935	34.119	nq	88
53) 2,4-Dinitrophenol	9.57	184	8268	8.659	nq #	76
54) Dibenzofuran	9.64	168	524113	53.104	nq	92
55) 4-Nitrophenol	9.63	139	50942m	32.863	nq	
56) 2,4-Dinitrotoluene	9.66	165	125415	51.951	nq #	79
57) Fluorene	9.98	166	399606	53.871	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.78	232	96581	55.431	nq	98
59) Diethylphthalate	9.87	149	511279	56.285	nq	99
60) 4-Chlorophenyl-phenylether	9.97	204	172423	56.289	nq	99
61) 4-Nitroaniline	10.03	138	127590	51.515	nq	92
62) Azobenzene	10.14	77	485512	57.614	nq	92
64) 4,6-Dinitro-2-methylphenol	10.08	198	8422	6.474	nq #	62
65) n-Nitrosodiphenylamine	10.10	169	390159	53.559	nq	97
66) 4-Bromophenyl-phenylether	10.46	248	109086	52.209	nq	97
67) Hexachlorobenzene	10.53	284	109211	46.611	nq #	92
68) Atrazine	10.64	200	101696	48.684	nq	96
69) Pentachlorophenol	10.74	266	71256	73.501	nq	97
70) Phenanthrene	10.93	178	558468	49.784	nq	98
71) Anthracene	10.99	178	570631	49.665	nq	100
72) Carbazole	11.15	167	555511	49.161	nq	100
73) Di-n-butylphthalate	11.49	149	687810	49.243	nq	99
74) Fluoranthene	12.12	202	550574	50.099	nq	98
76) Benzidine	12.25	184	287710	61.806	nq #	91
77) Pyrene	12.34	202	553936	53.933	nq	99
79) Butylbenzylphthalate	12.97	149	262018	50.152	nq #	79
80) Benzo(a)anthracene	13.52	228	381283	46.970	nq	100
81) 3,3'-Dichlorobenzidine	13.49	252	149288	48.768	nq #	96
82) Chrysene	13.56	228	416758	52.577	nq	99
83) Bis(2-ethylhexyl)phthalate	13.53	149	330748	48.487	nq	99
84) Di-n-octyl phthalate	14.14	149	626295	50.031	nq #	91
85) Indeno(1,2,3-cd)pyrene	16.06	276	287601	42.314	nq	97
87) Benzo(b)fluoranthene	14.53	252	317403	49.066	nq	99
88) Benzo(k)fluoranthene	14.54	252	329907	53.519	nq	97
89) Benzo(a)pyrene	14.82	252	305817	51.654	nq	97
90) Dibenzo(a,h)anthracene	16.06	278	244666	50.394	nq #	94
91) Benzo(g,h,i)perylene	16.42	276	243802	47.885	nq	99

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



#1

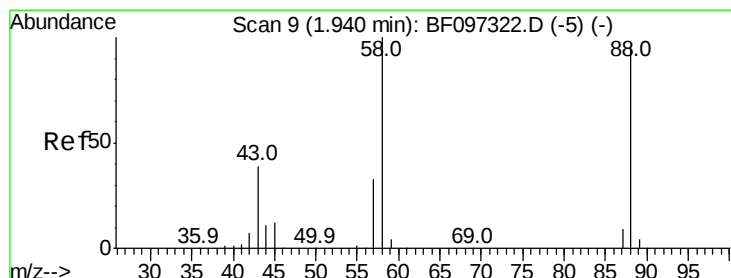
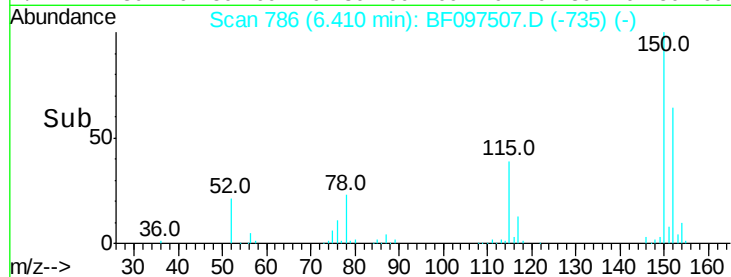
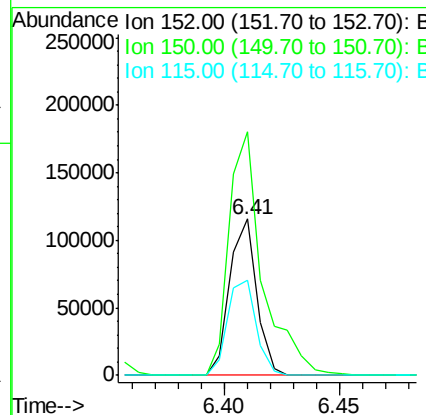
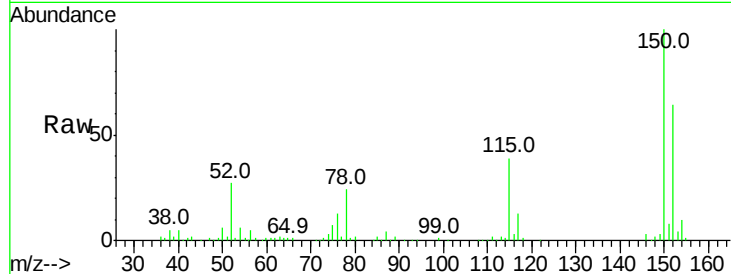
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	60.5	52.2	78.2

Manual Integrations
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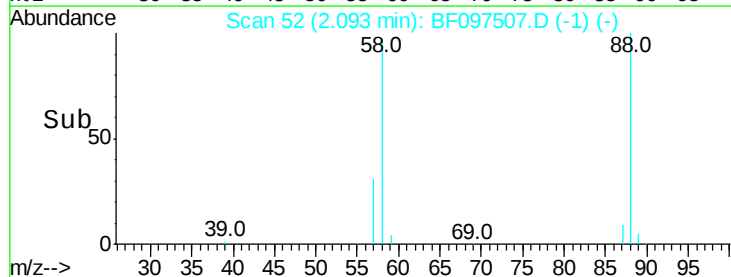
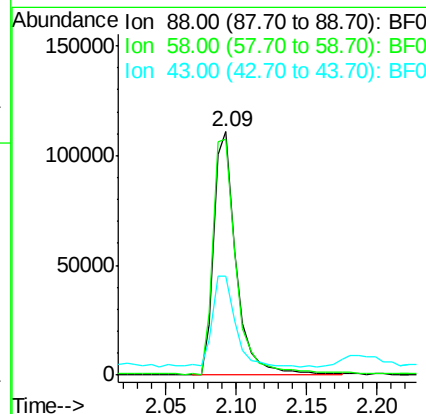
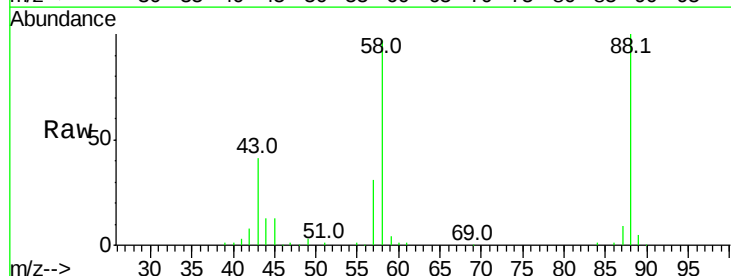
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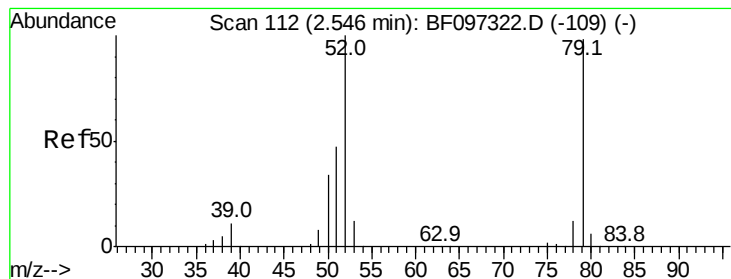


#2

1,4-Dioxane
Concen: 46.710 ng
RT: 2.09 min Scan# 52
Delta R.T. 0.19 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.4	61.4	92.0#
43	0.0	23.4	35.0#





#3

Pvridine

Concen: 40.046 ng/ml

RT: 2.65 min Scan# 147

Delta R.T. 0.16 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion: 79 Resp: 321067

Ion Ratio Lower Upper

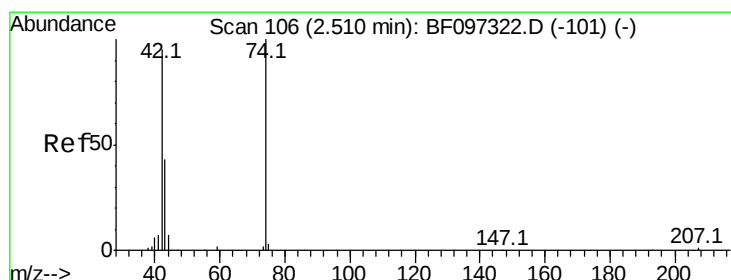
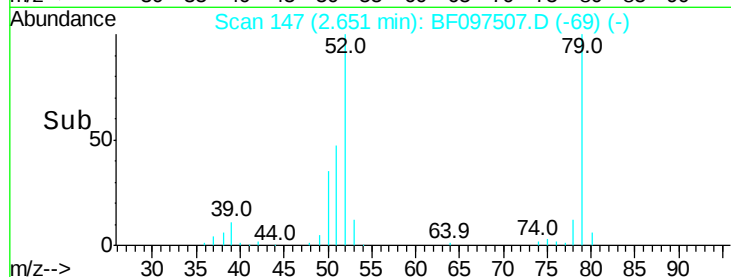
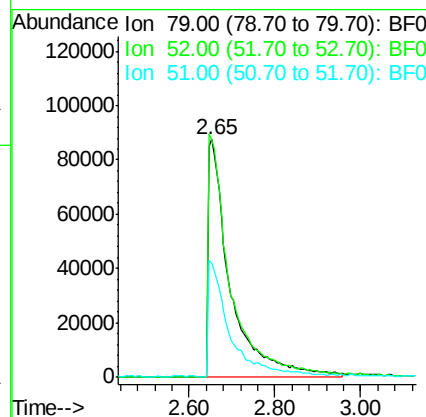
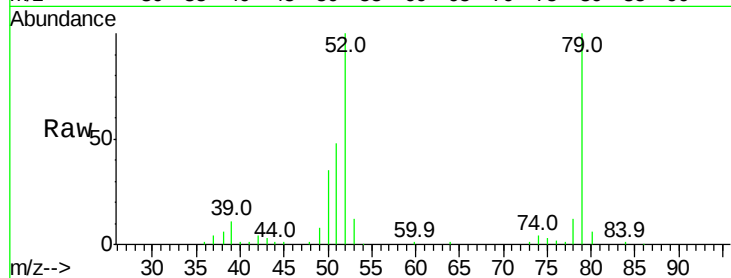
79 100

52 99.6 54.8 82.2#

51 48.1 27.0 40.4#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 48.891 ng/ml

RT: 2.59 min Scan# 137

Delta R.T. 0.13 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

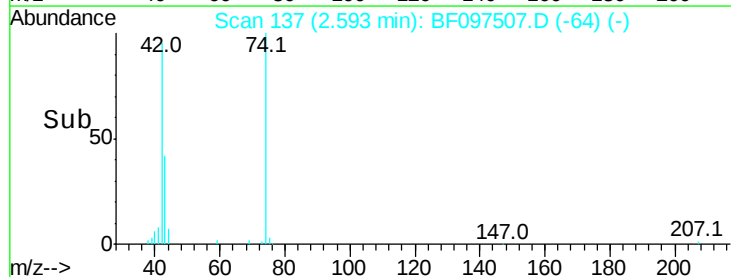
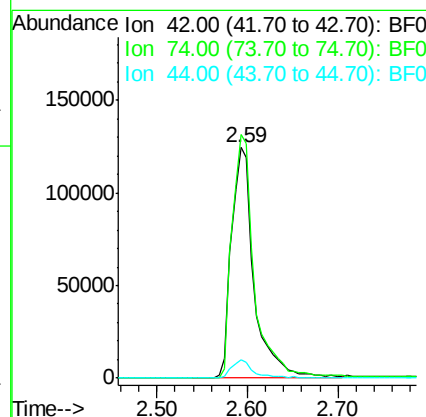
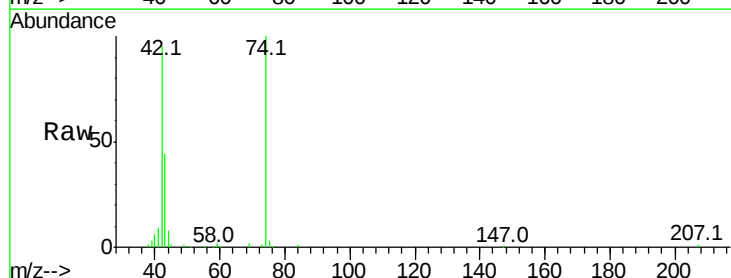
Tgt Ion: 42 Resp: 217157

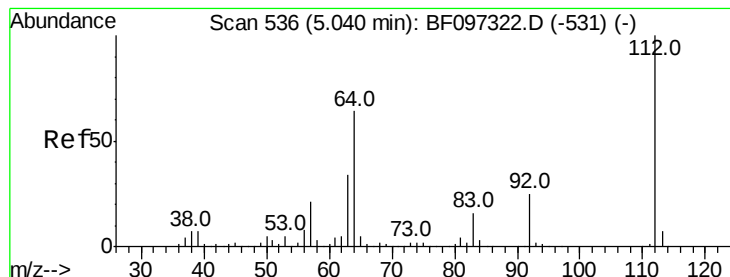
Ion Ratio Lower Upper

42 100

74 105.7 103.9 155.9

44 8.0 5.7 8.5





#5

2-Fluorophenol

Concen: 140.096 ng

RT: 5.03 min Scan# 551

Delta R.T. 0.02 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

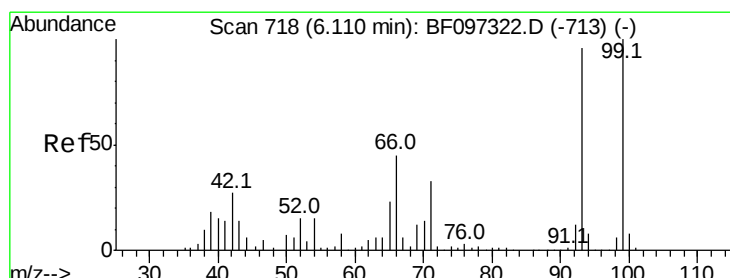
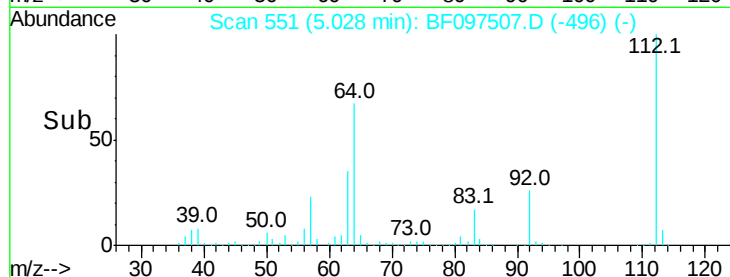
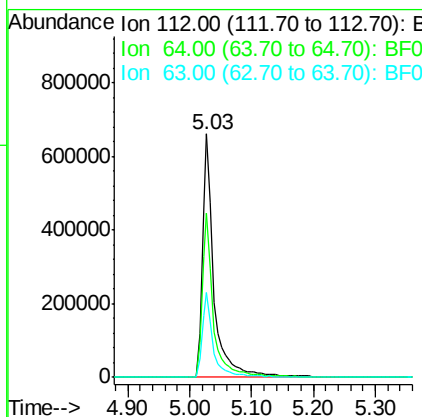
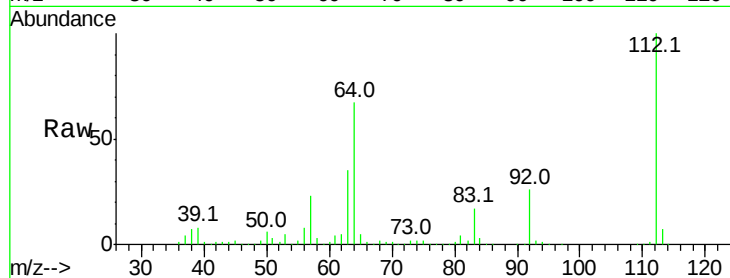
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	112	Resp:	878992
Ion Ratio	Lower	Upper	
112	100		
64	67.2	46.0	69.0
63	35.1	23.4	35.0#

Manual Integrations
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#6

Aniline

Concen: 16.293 ng

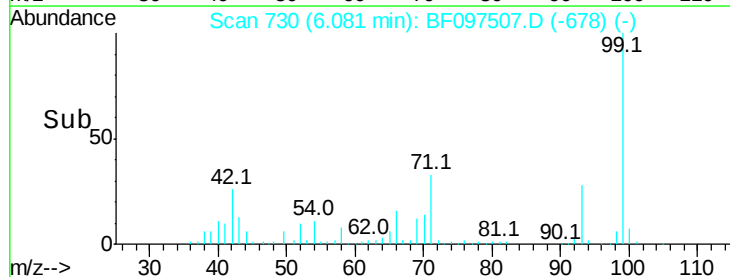
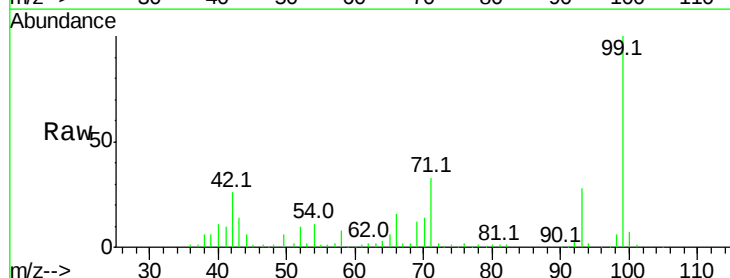
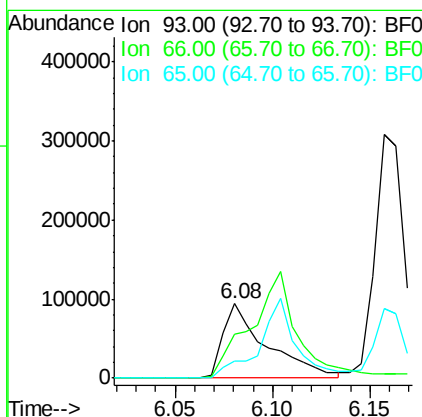
RT: 6.08 min Scan# 730

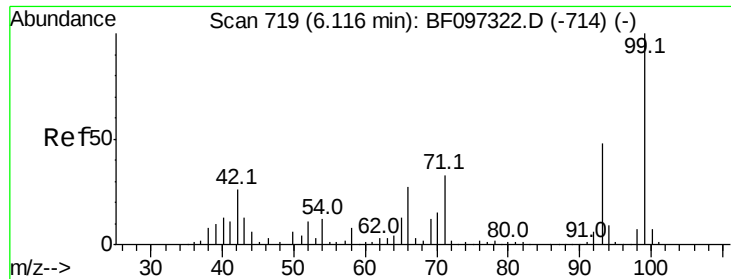
Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	93	Resp:	146854
Ion Ratio	Lower	Upper	
93	100		
66	58.2	32.9	49.3#
65	22.3	16.0	24.0





#7

Phenol-d6

Concen: 133.128 ng

RT: 6.09 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

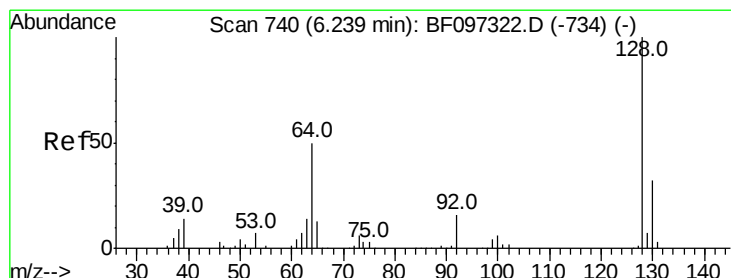
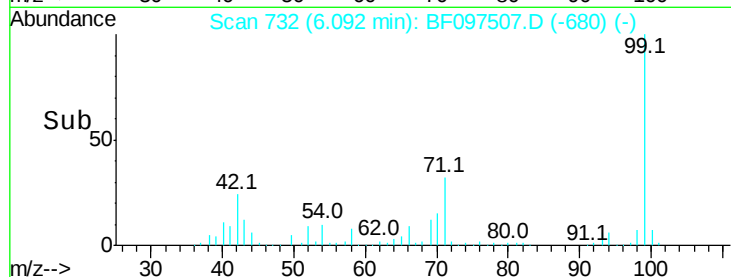
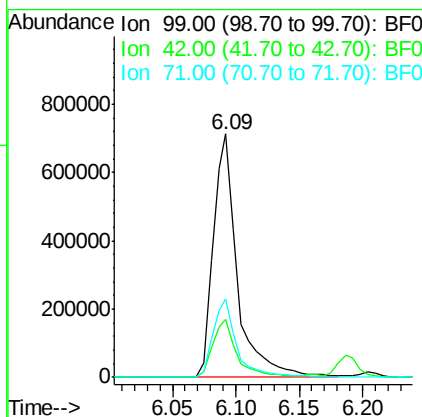
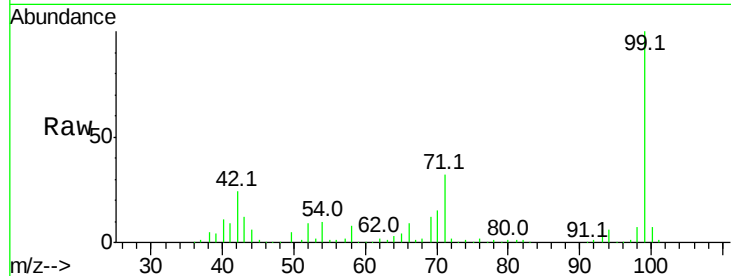
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
99	100	953567		
42	23.8		13.5	20.3#
71	32.1		24.5	36.7

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#8

2-Chlorophenol

Concen: 44.604 ng

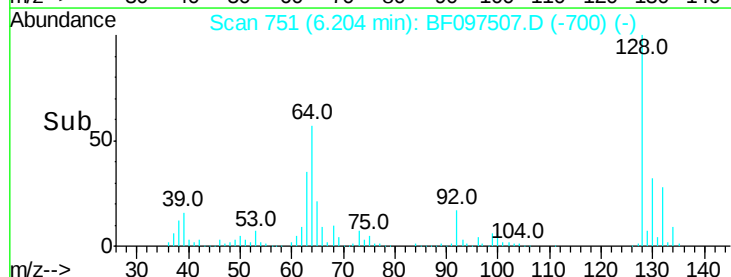
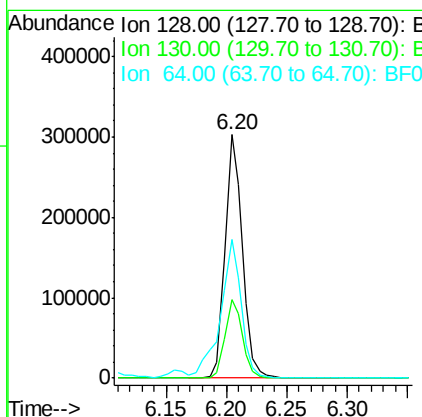
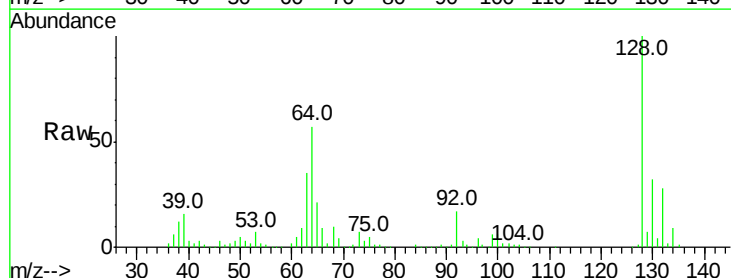
RT: 6.20 min Scan# 751

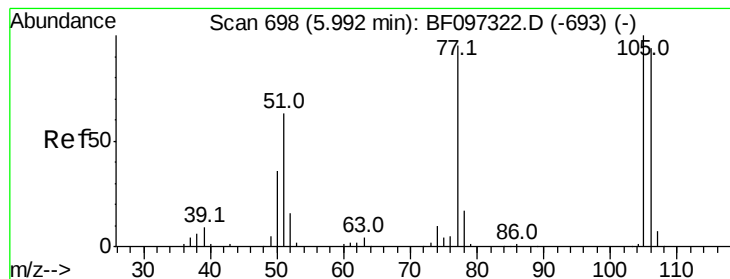
Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	299245		
130	32.1		12.9	52.9
64	57.2		28.4	68.4





#9

Benzaldehyde

Concen: 25.538 ng

RT: 5.96 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

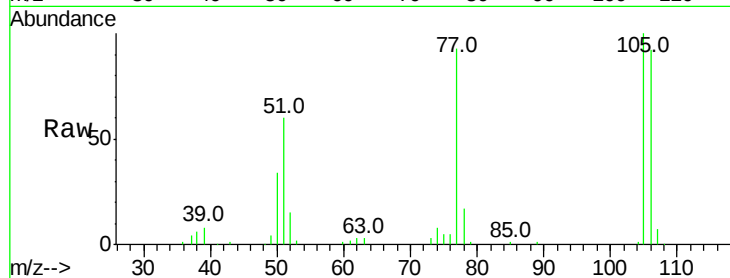
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

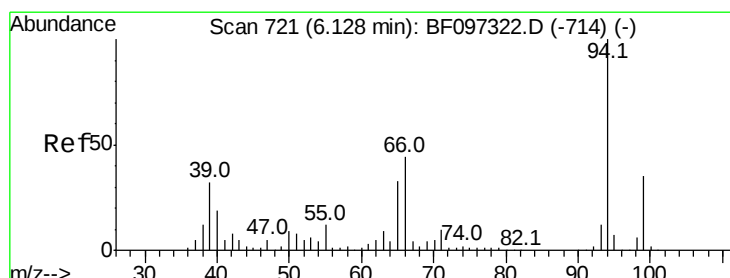
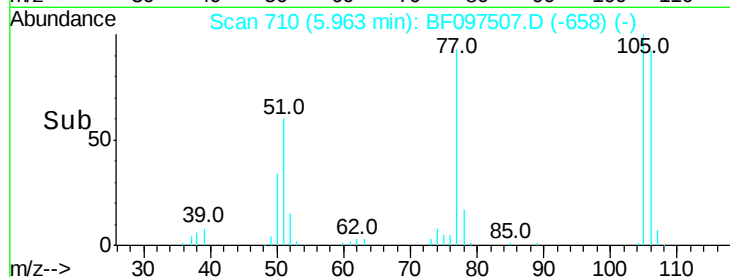
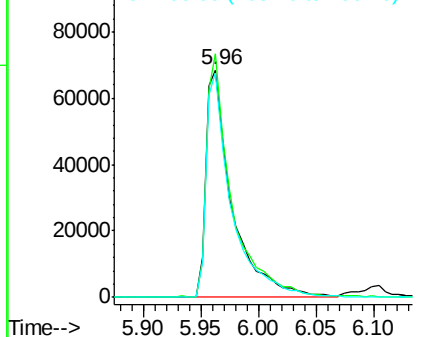
Tot Ion:	77	Resp:	108273
Ion Ratio	Lower	Upper	
77	100		
105	107.1	83.8	123.8
106	98.8	79.1	119.1

Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 40.248 ng

RT: 6.10 min Scan# 734

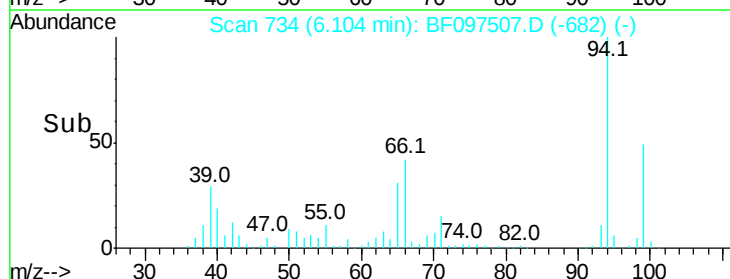
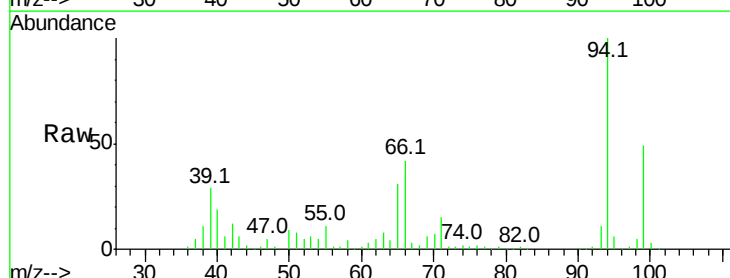
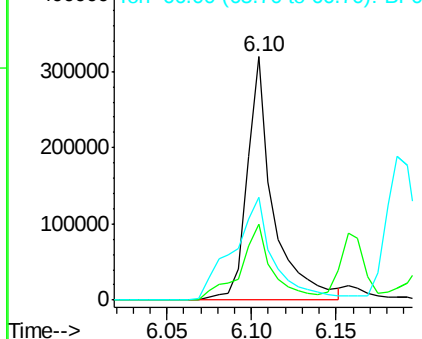
Delta R.T. 0.01 min

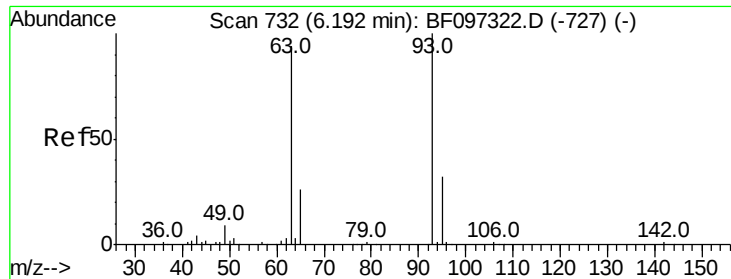
Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	94	Resp:	341951
Ion Ratio	Lower	Upper	
94	100		
65	31.4	9.9	49.9
66	42.1	23.1	63.1

Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 47.561 ng

RT: 6.16 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

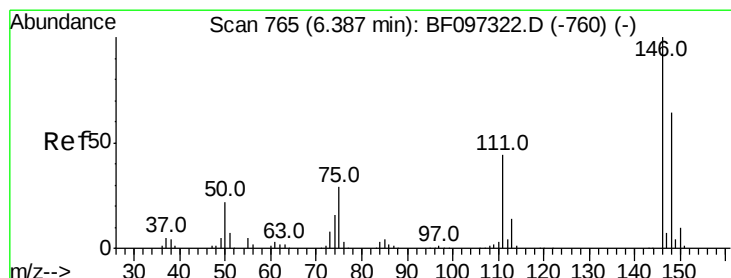
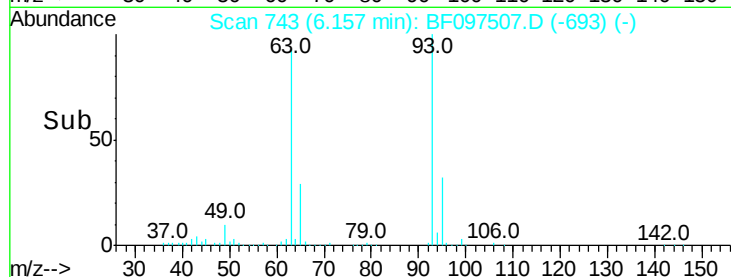
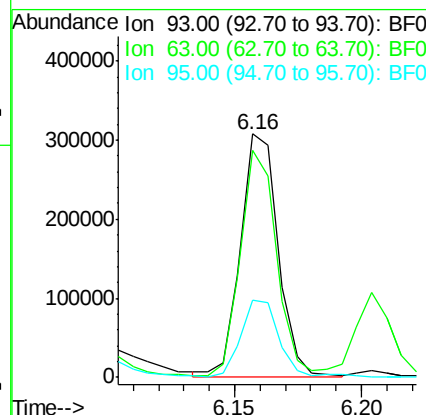
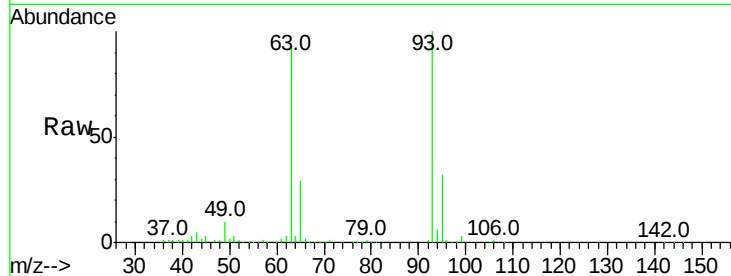
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion	93	Resp	319592
Ion Ratio	Lower	Upper	
93	100		
63	93.1	59.2	99.2
95	31.9	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 43.037 ng

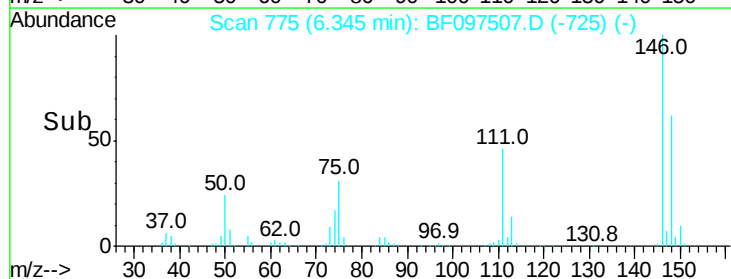
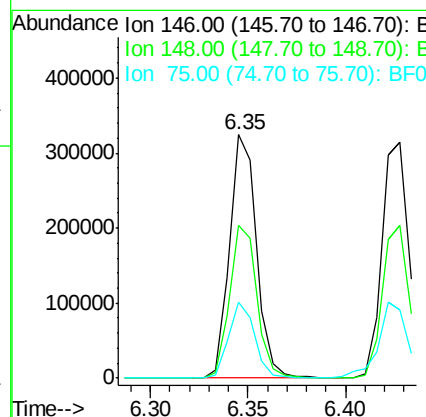
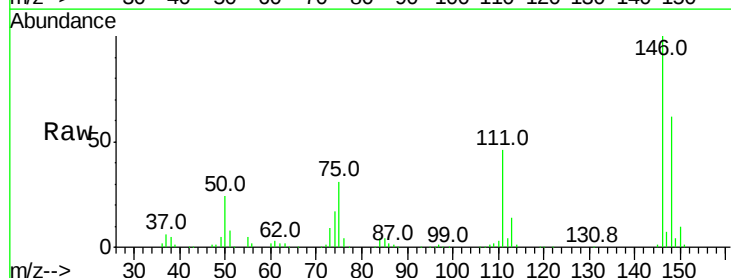
RT: 6.35 min Scan# 775

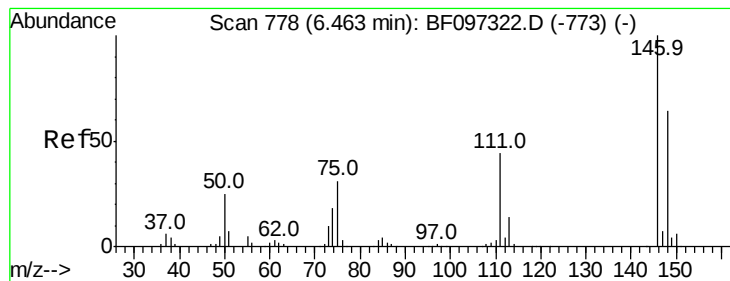
Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion	146	Resp	311152
Ion Ratio	Lower	Upper	
146	100		
148	62.5	51.8	77.6
75	31.2	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 44.125 ng

RT: 6.43 min Scan# 789

Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

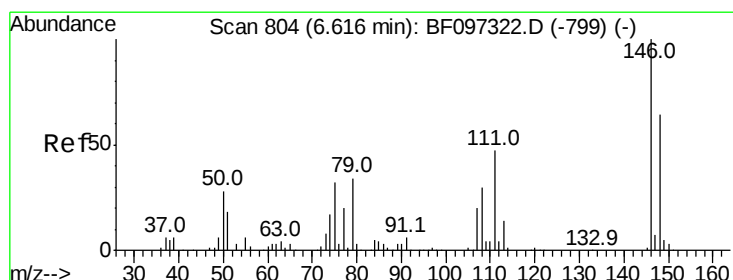
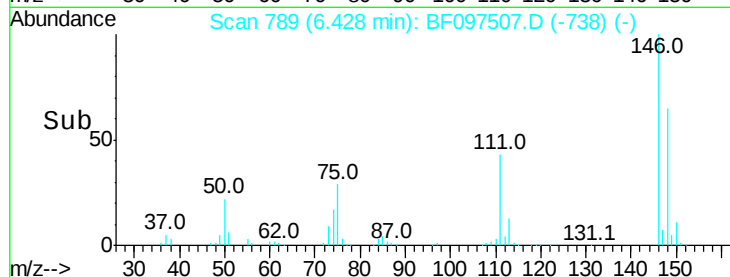
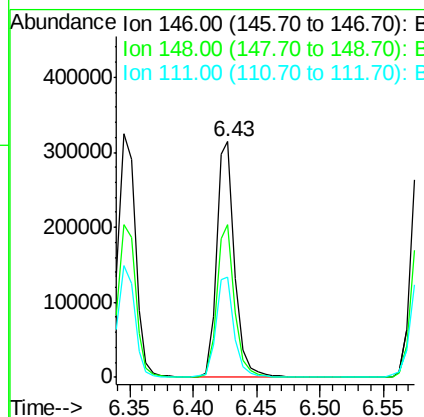
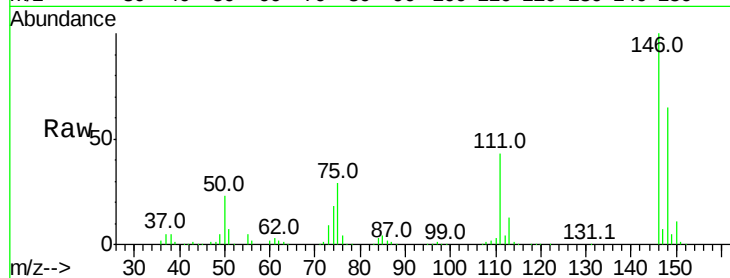
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	146	Resp:	316155
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.2	78.2
111	42.8	30.3	45.5

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 43.527 ng

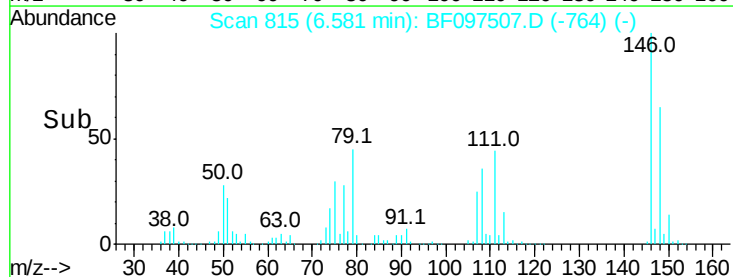
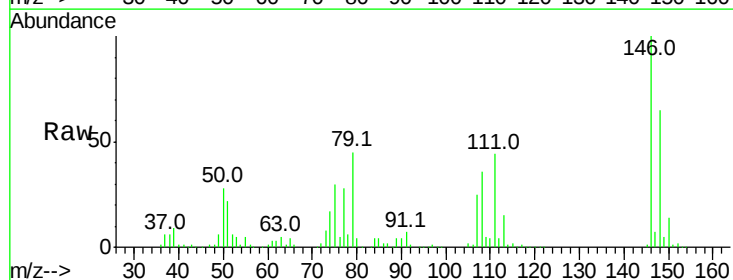
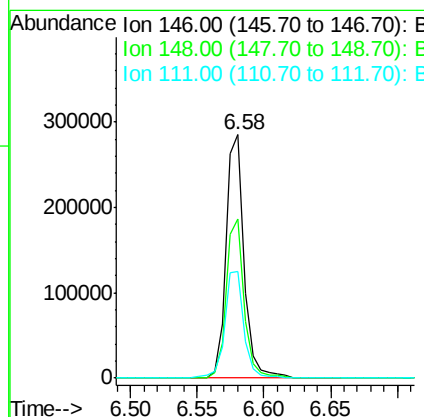
RT: 6.58 min Scan# 815

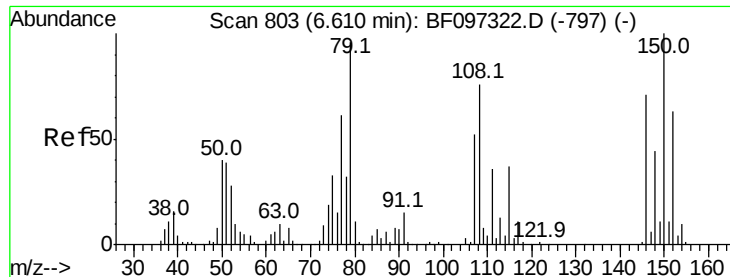
Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	146	Resp:	272305
Ion Ratio	Lower	Upper	
146	100		
148	65.2	50.4	75.6
111	43.9	38.2	57.4





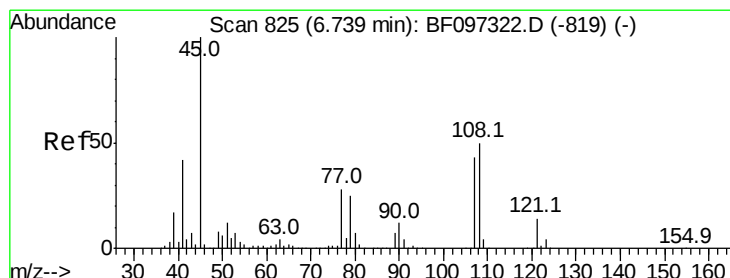
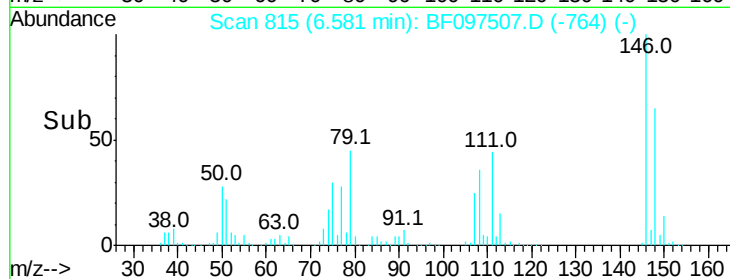
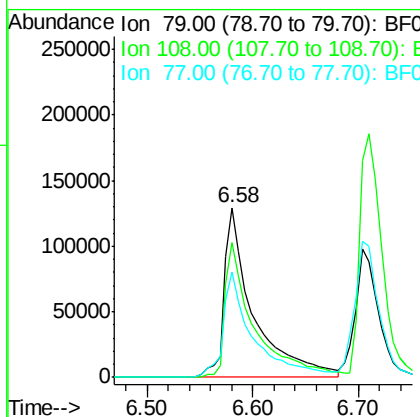
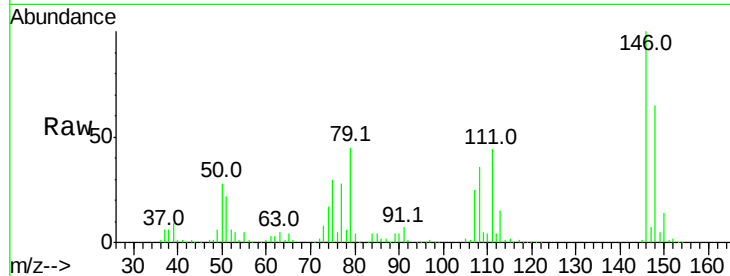
#15
Benzyl Alcohol
Concen: 54.838 ng
RT: 6.58 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.4	95.0
77	62.3	49.2	73.8

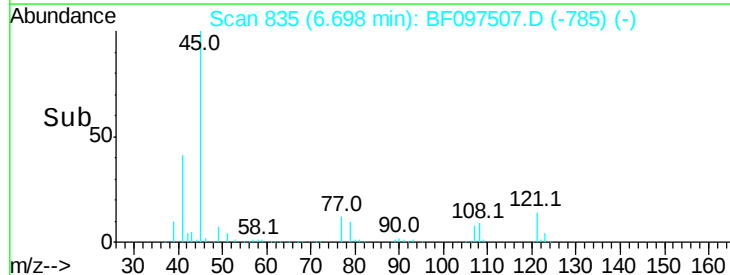
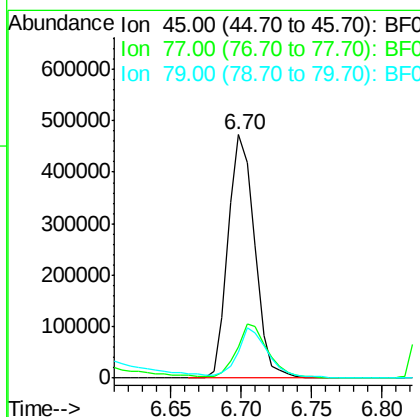
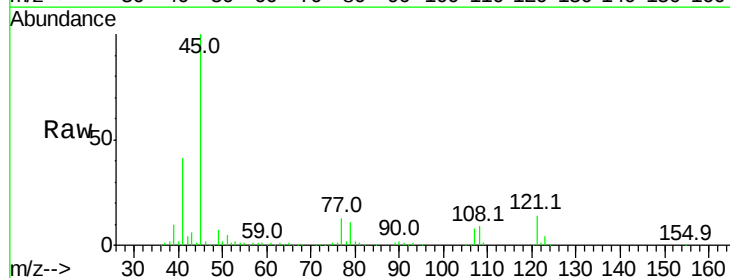
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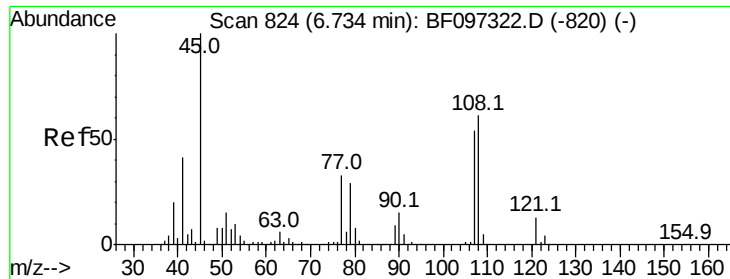
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#16
2,2'-oxybis(1-chloropropane)
Concen: 46.130 ng
RT: 6.70 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.2
79	10.9	0.0	30.0





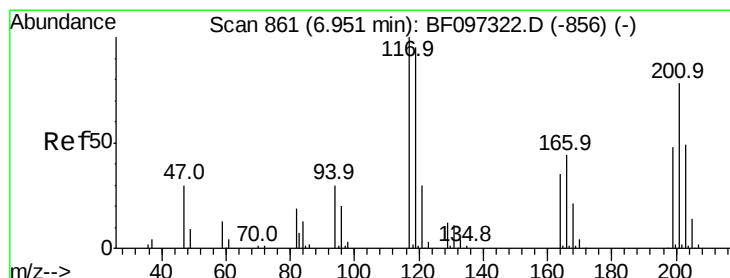
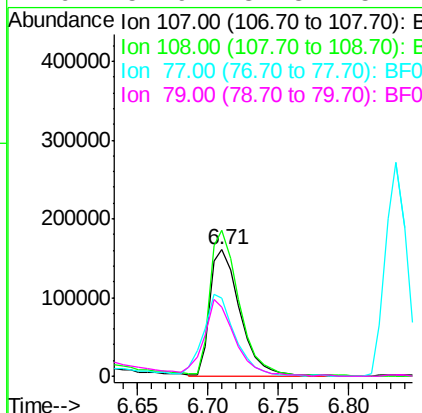
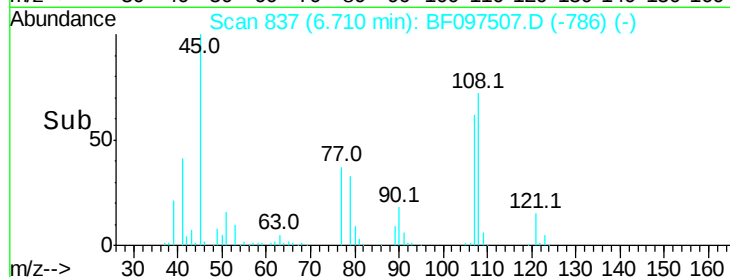
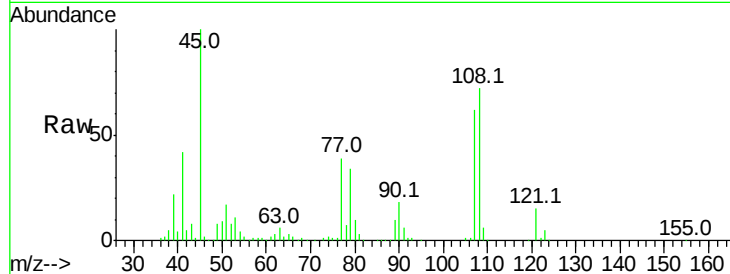
#17
2-Methylphenol
Concen: 45.573 ng
RT: 6.71 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.6	93.4	140.0	
77	62.0	35.8	53.6#	
79	54.9	34.8	52.2#	

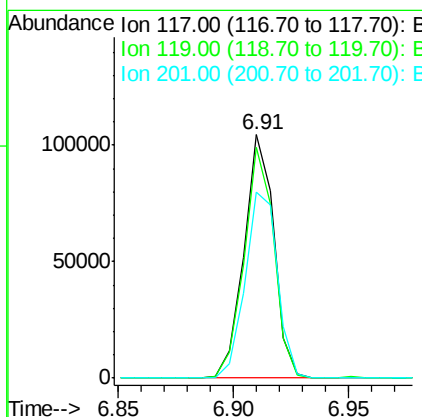
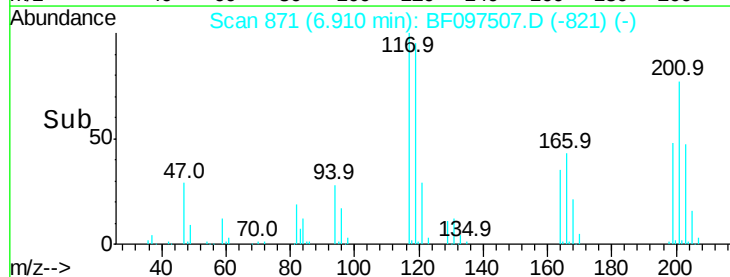
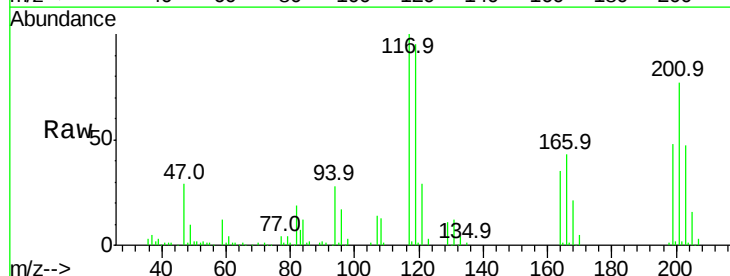
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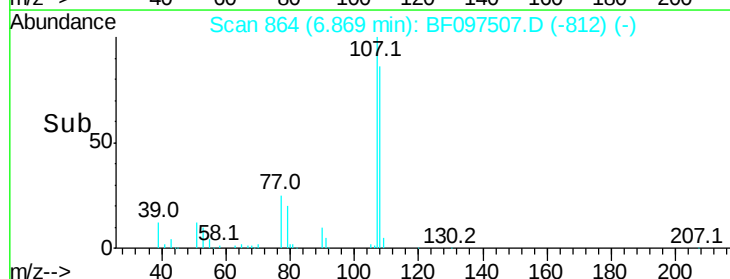
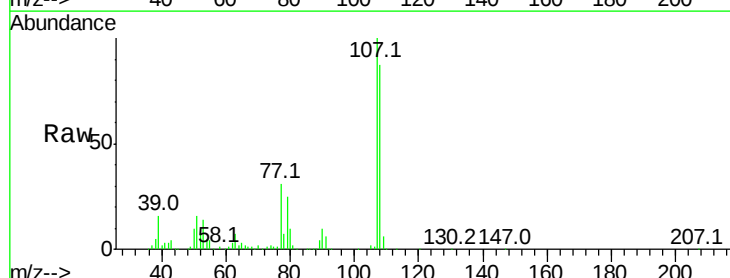
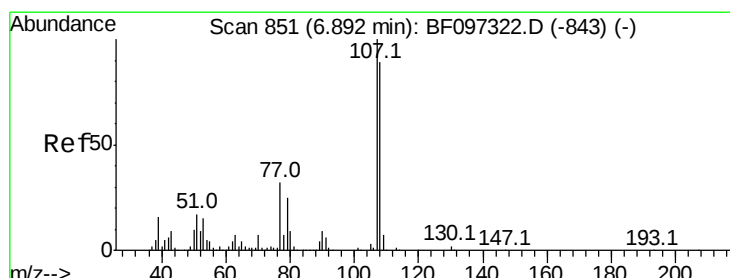
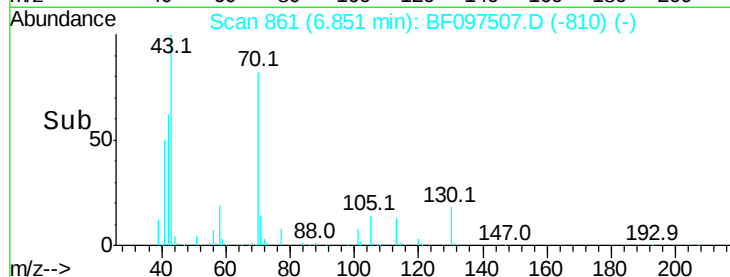
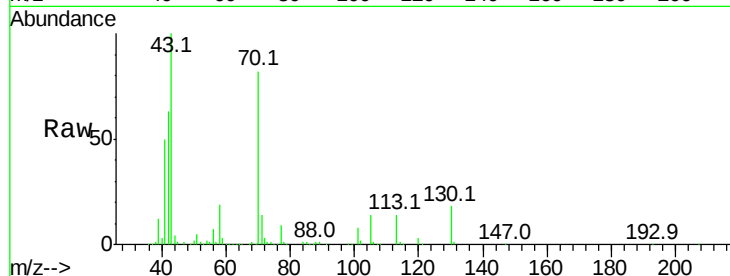
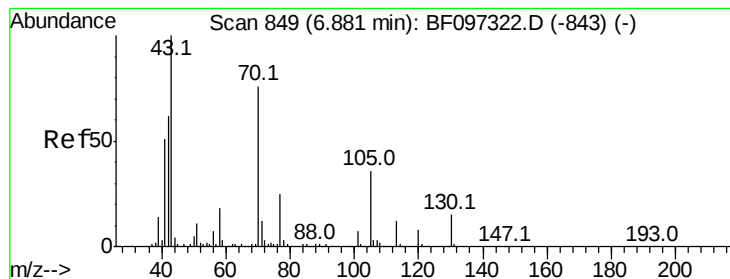
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#18
Hexachloroethane
Concen: 36.234 ng
RT: 6.91 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	77.4	116.0	
201	76.5	94.6	141.8#	





#19

n-Nitroso-di-n-propylamine

Concen: 43.706 ng

RT: 6.85 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tot Ion: 70 Resp: 206062

Ion Ratio Lower Upper

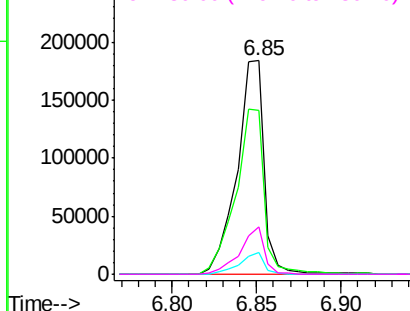
70 100

42 76.7 47.2 70.8#

101 10.1 7.2 10.8

130 22.0 15.9 23.9

Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E



Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Manual Integrations

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#20

3+4-Methylphenols

Concen: 45.788 ng

RT: 6.87 min Scan# 864

Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:107 Resp: 309648

Ion Ratio Lower Upper

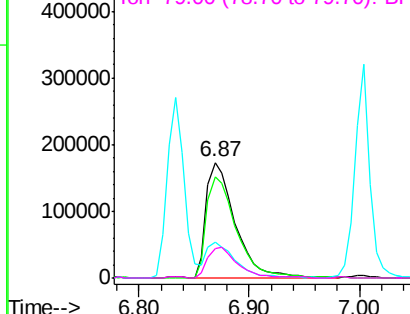
107 100

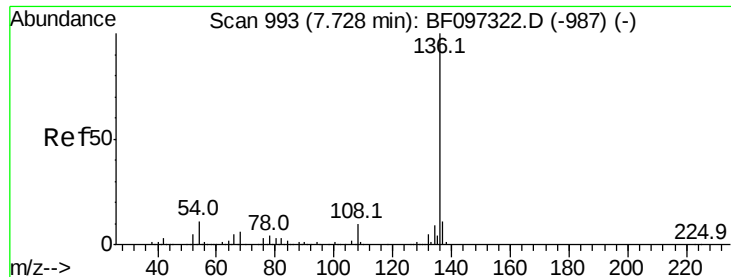
108 87.3 71.0 111.0

77 31.2 90.5 130.5#

79 25.1 8.4 48.4

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

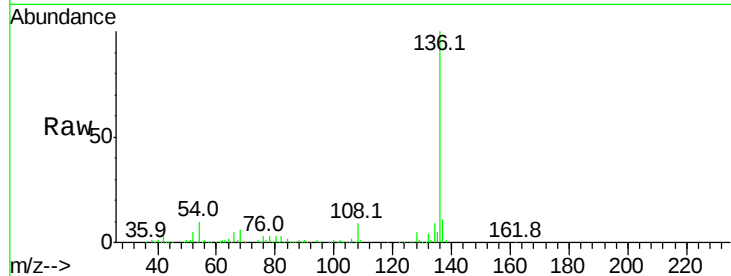
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	10.3	4.9	7.3	
68	5.6	4.1	6.1	

Manual Integrations
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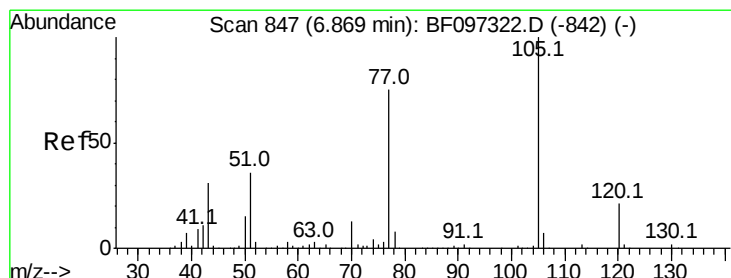
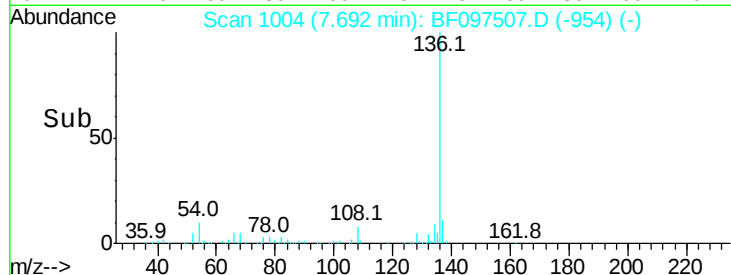
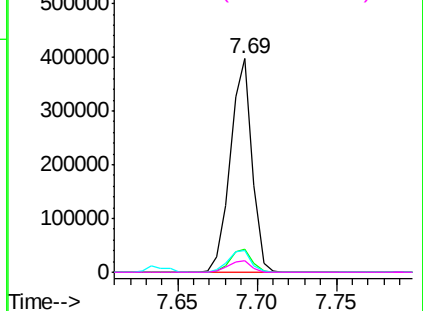
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 43.674 ng

RT: 6.83 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.3	2.8	4.2	
51	36.6	30.7	46.1	
120	22.8	17.4	26.0	

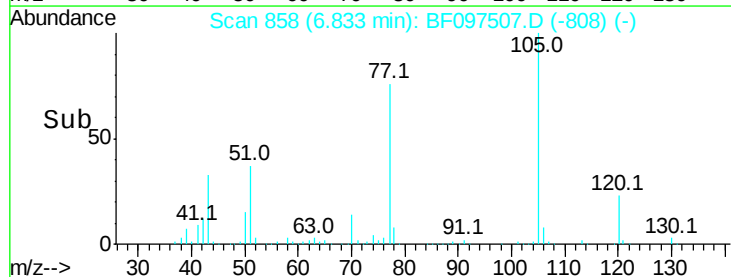
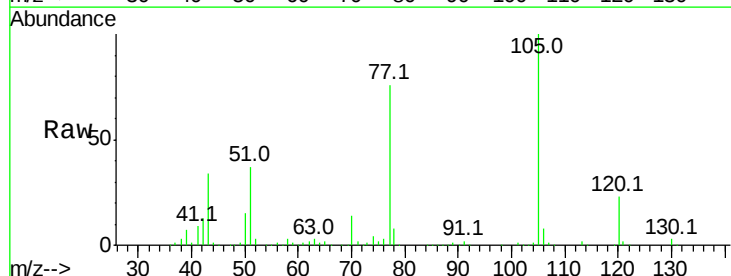
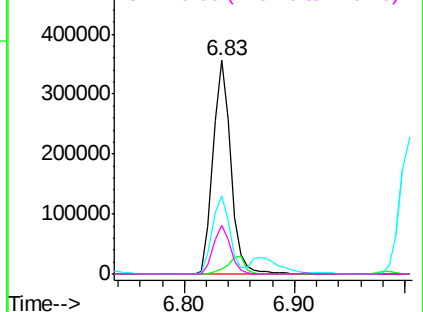
Abundance

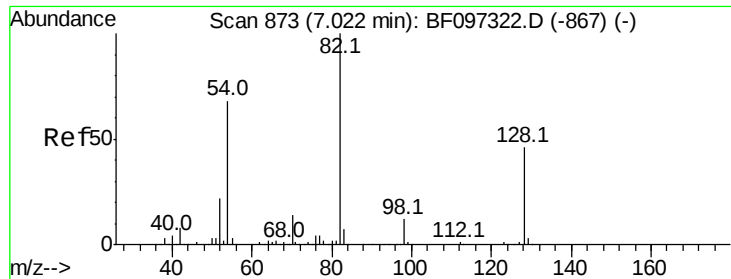
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





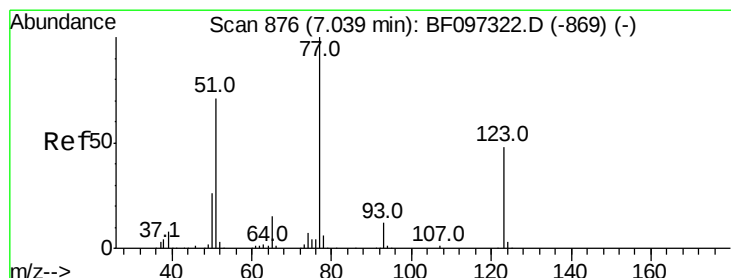
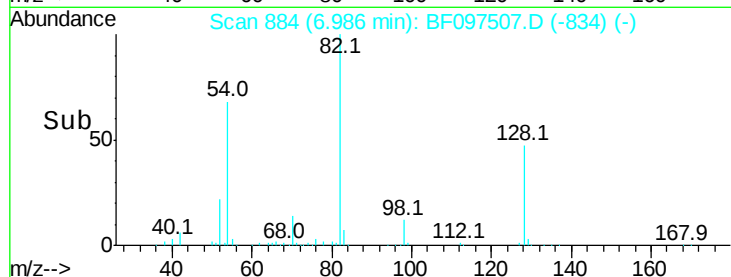
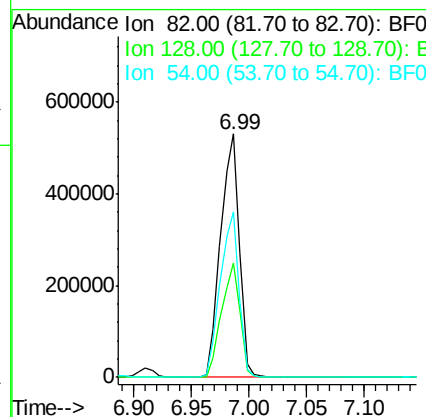
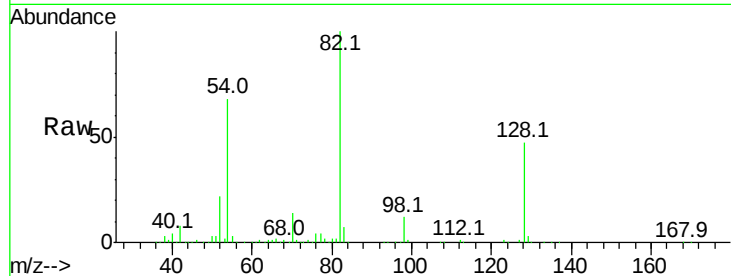
#23
Nitrobenzene-d5
Concen: 93.389 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	67.9	42.2	63.2	

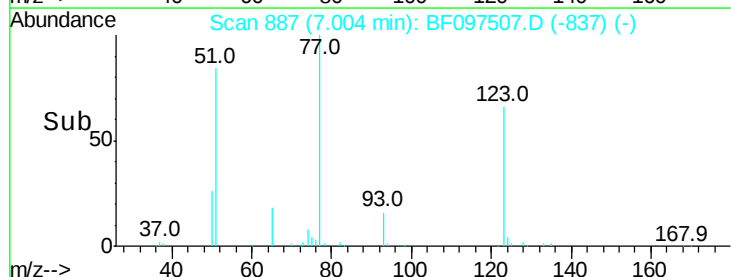
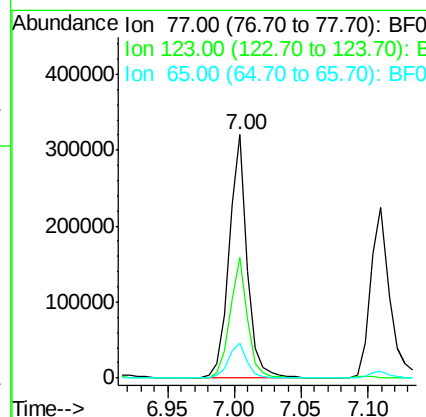
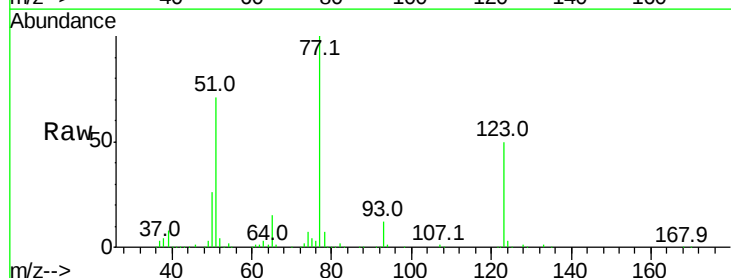
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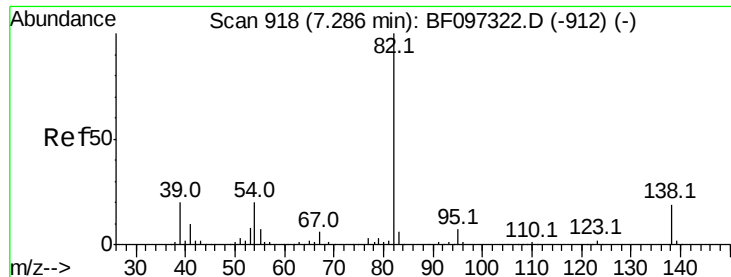
Sohil
8/9/2017 7:17:00 PM



#24
Nitrobenzene
Concen: 45.667 ng
RT: 7.00 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.9	35.8	53.8	
65	14.6	10.6	15.8	





#25

Isophorone

Concen: 40.975 ng

RT: 7.25 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

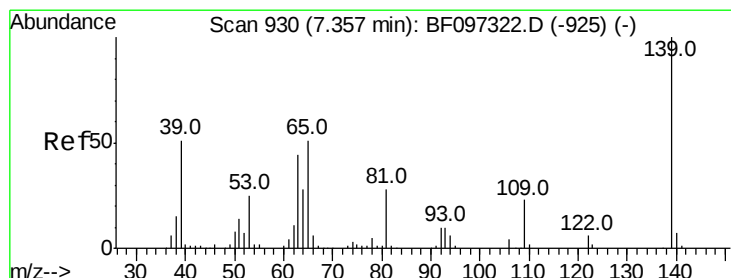
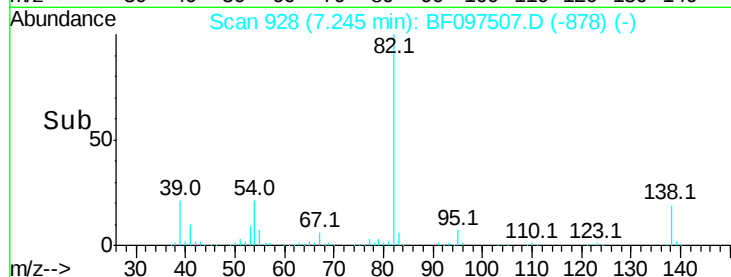
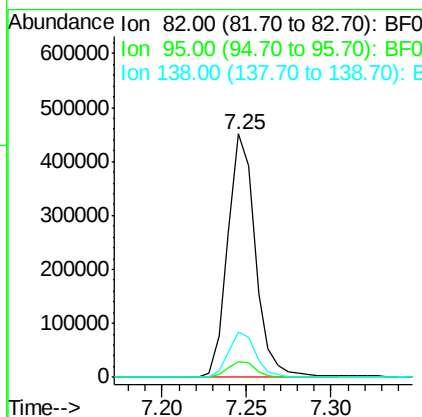
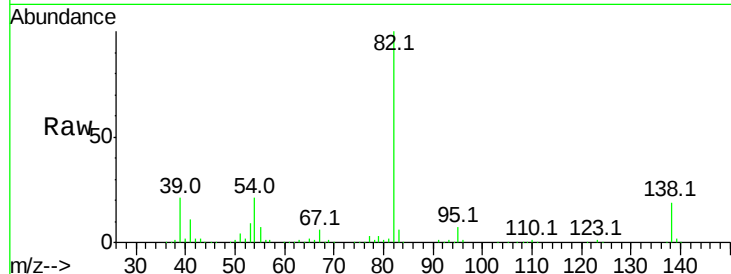
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	82	Resp:	513697
Ion Ratio		Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.6	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 39.624 ng

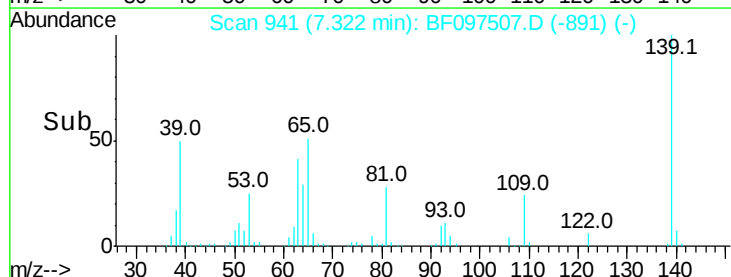
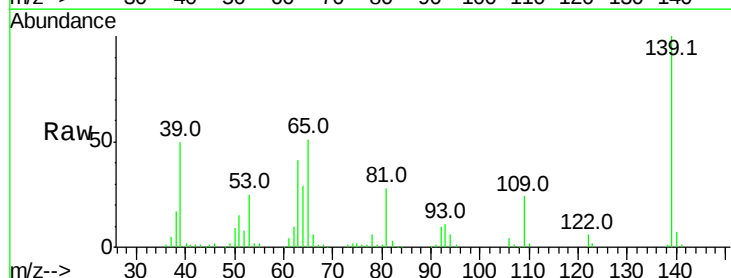
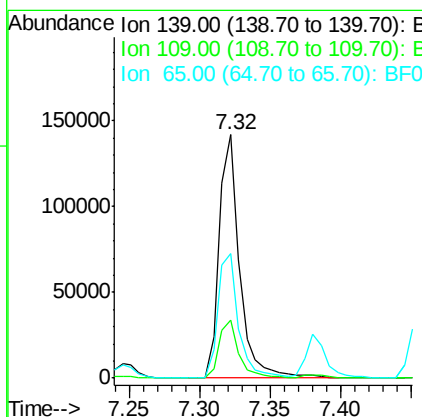
RT: 7.32 min Scan# 941

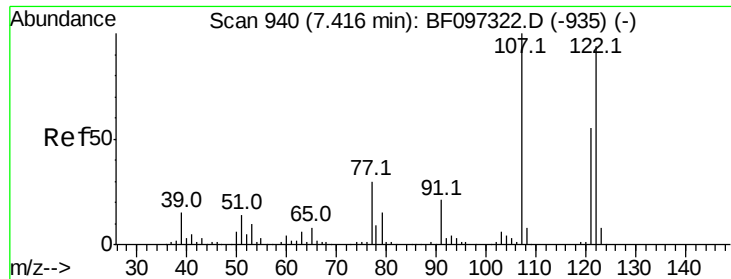
Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	139	Resp:	142925
Ion Ratio		Lower	Upper
139	100		
109	23.9	21.0	31.6
65	51.4	33.0	49.6#





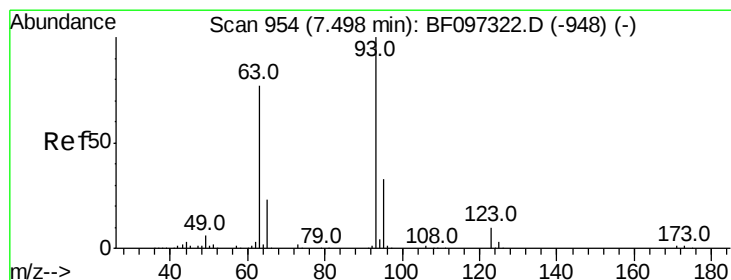
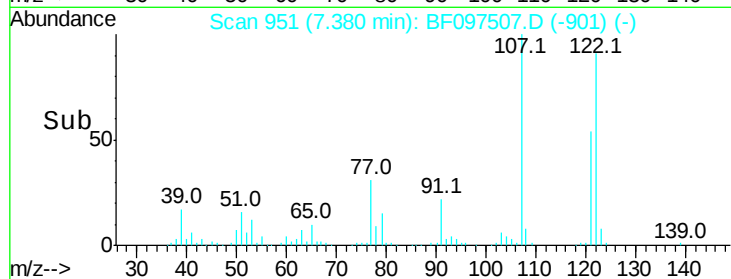
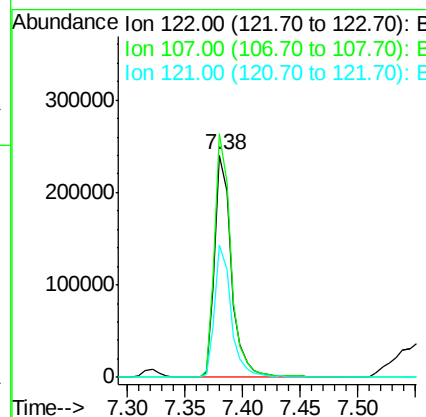
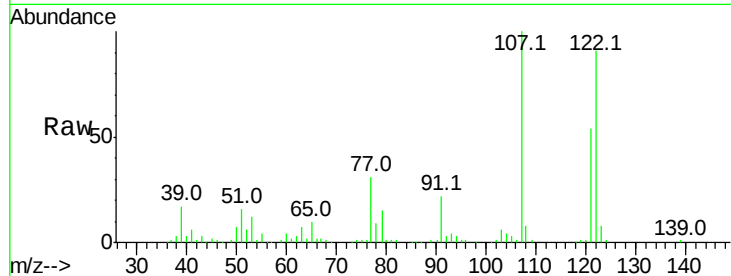
#27
 2,4-Dimethylphenol
 Concen: 41.273 ng
 RT: 7.38 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	245581		
107	109.7	89.2	133.8	
121	59.8	45.2	67.8	

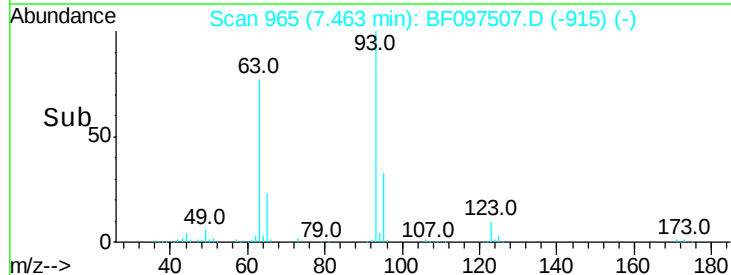
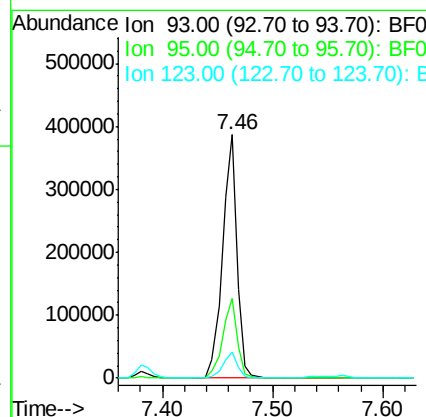
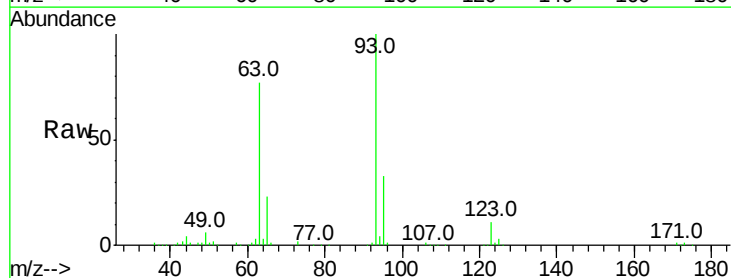
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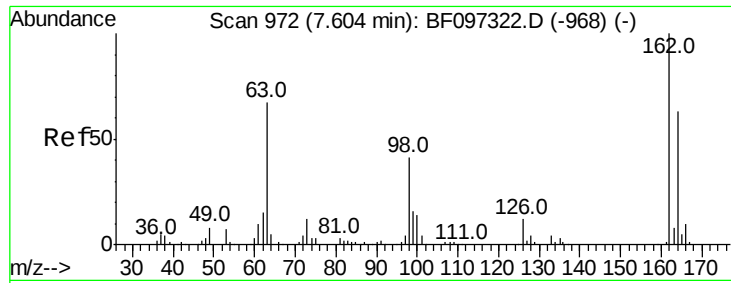
Sohil
 8/9/2017 7:17:00 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.062 ng
 RT: 7.46 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	352298		
95	32.7	26.5	39.7	
123	10.6	9.0	13.4	





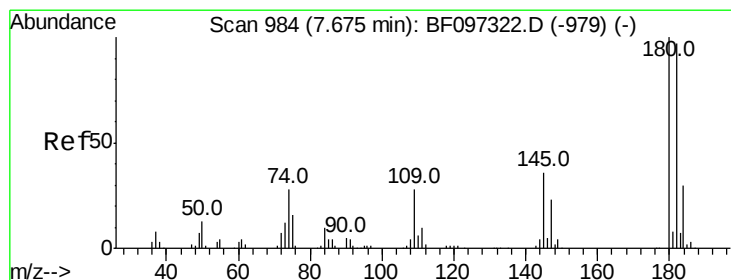
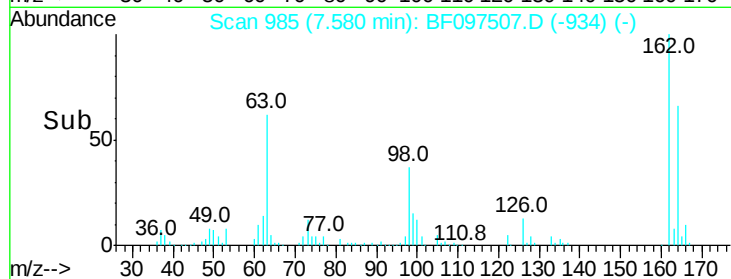
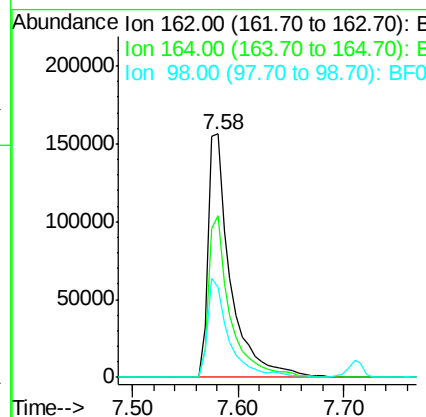
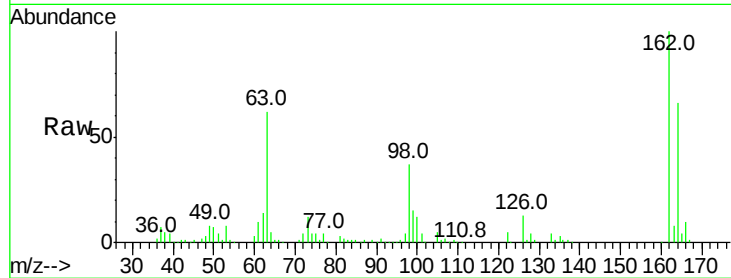
#29
2,4-Dichlorophenol
Concen: 44.754 ng
RT: 7.58 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	229407		
164	66.2	44.6	84.6	
98	36.9	14.8	54.8	

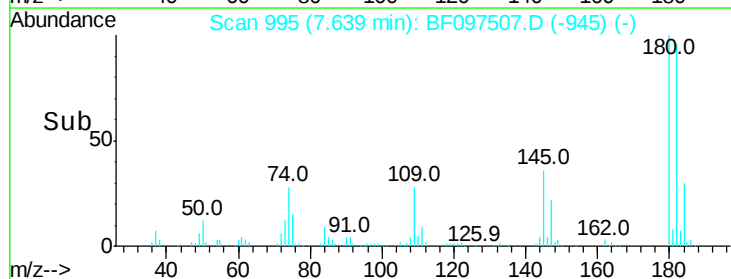
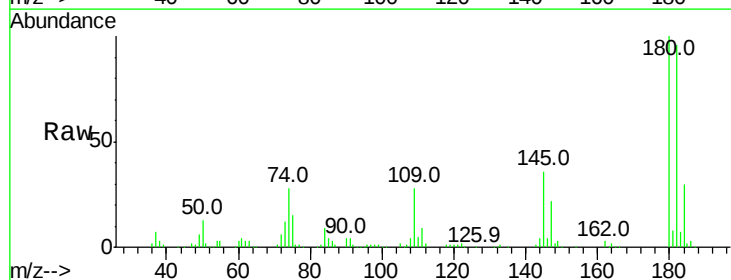
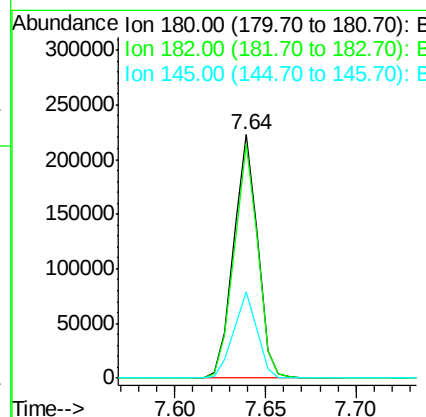
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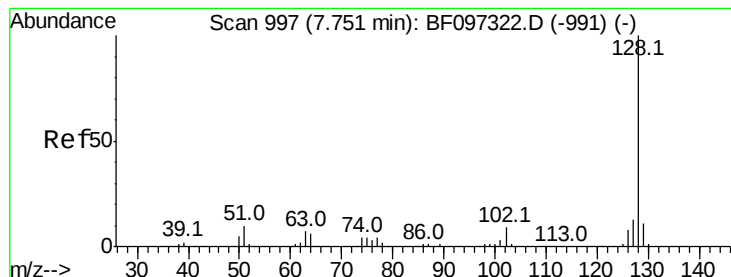
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 42.036 ng
RT: 7.64 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	205382		
182	96.5	75.8	113.6	
145	35.5	25.3	37.9	





#31

Naphthalene

Concen: 46.011 ng

RT: 7.71 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

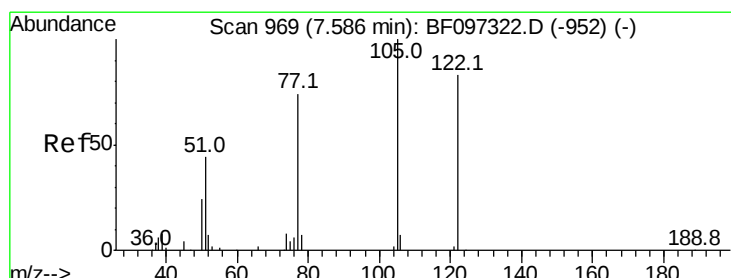
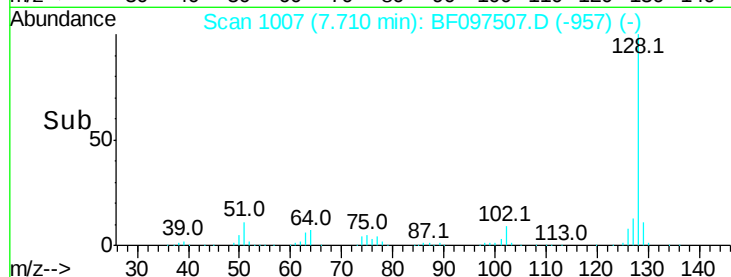
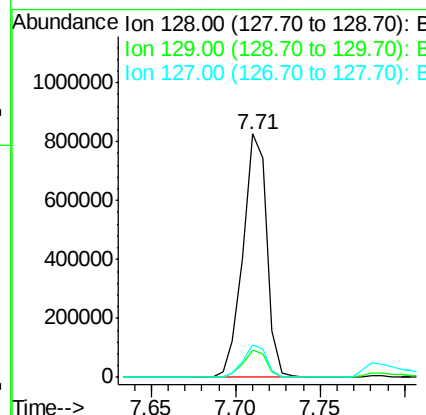
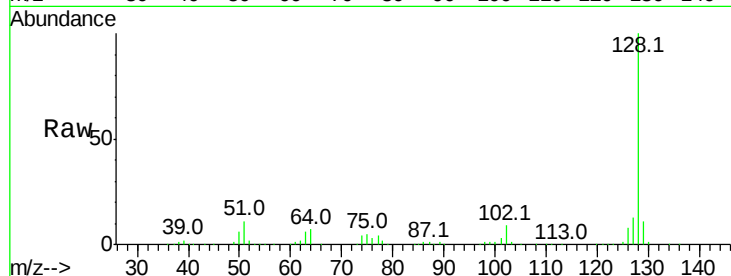
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	128	Resp:	814511
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	13.4	10.8	16.2

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#32

Benzoic acid

Concen: 27.455 ng

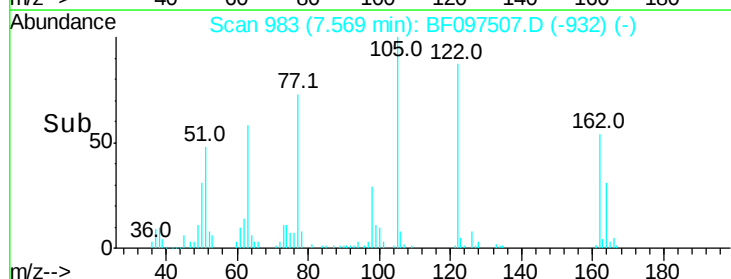
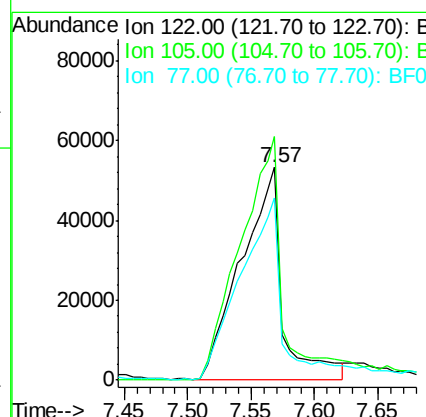
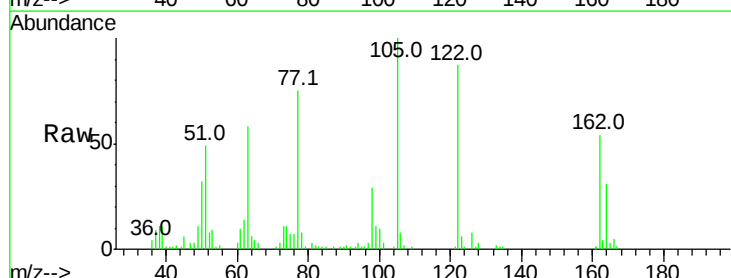
RT: 7.57 min Scan# 983

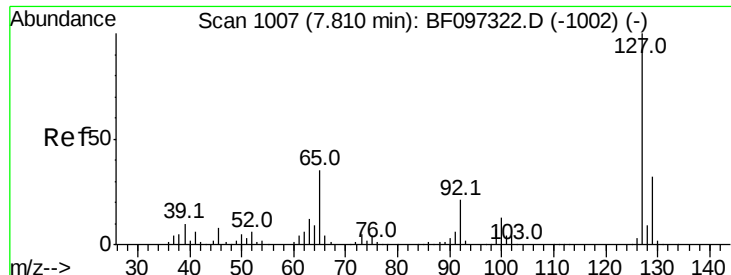
Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	122	Resp:	121984
Ion Ratio	Lower	Upper	
122	100		
105	114.5	103.3	143.3
77	85.9	73.7	113.7





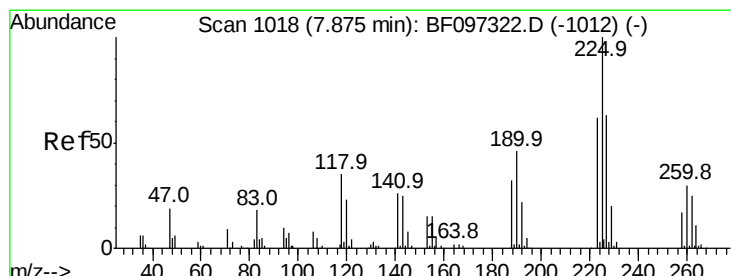
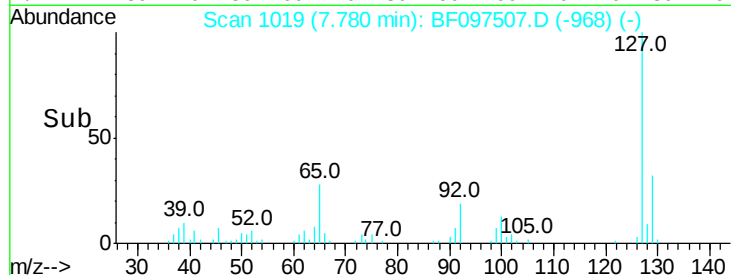
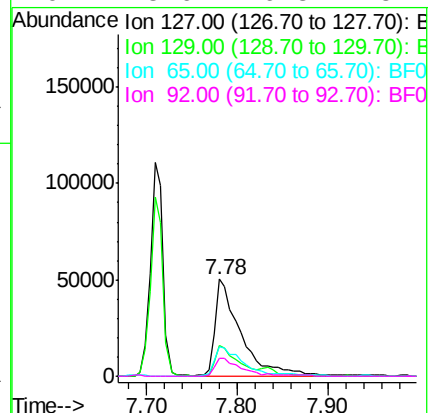
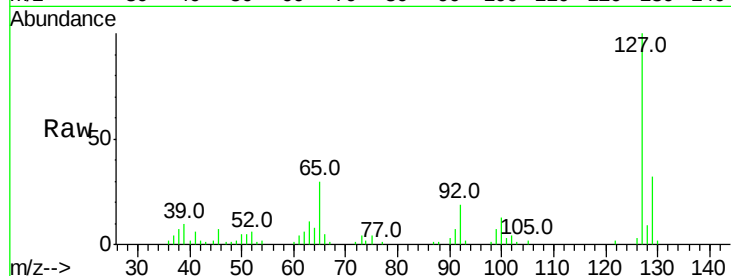
#33
4-Chloroaniline
Concen: 13.986 ng
RT: 7.78 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.8	26.2	39.2		
65	30.3	27.8	41.8		
92	18.6	16.8	25.2		

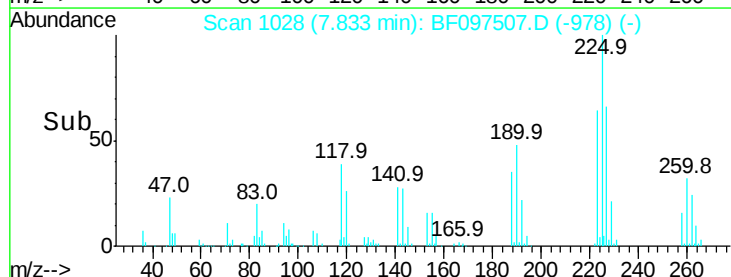
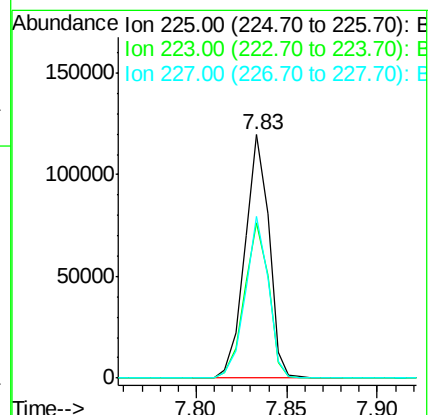
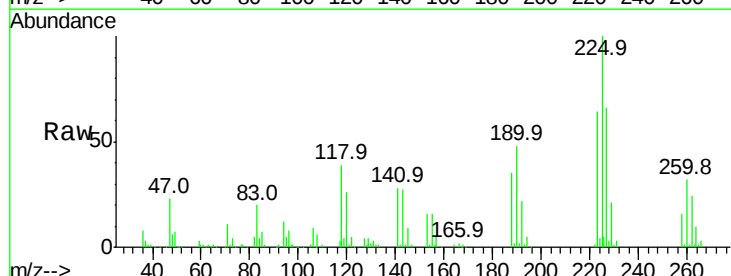
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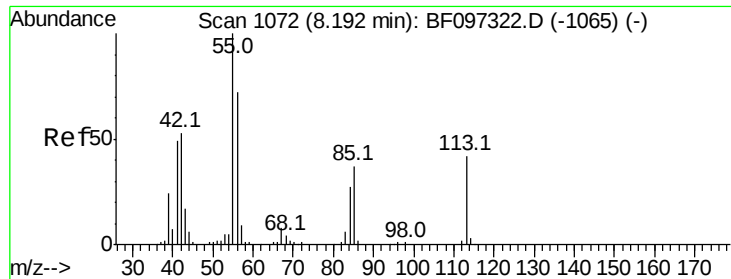
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#34
Hexachlorobutadiene
Concen: 42.640 ng
RT: 7.83 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.9	48.8	73.2		
227	66.3	51.1	76.7		





#35

Caprolactam

Concen: 37.709 ng

RT: 8.17 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

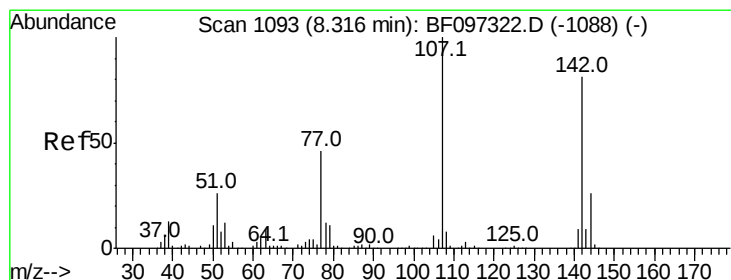
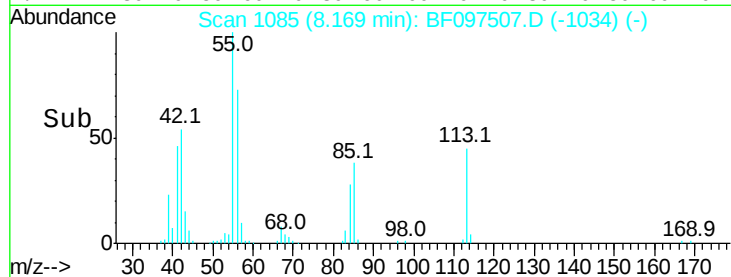
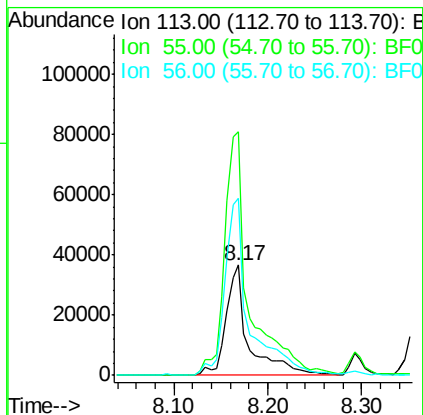
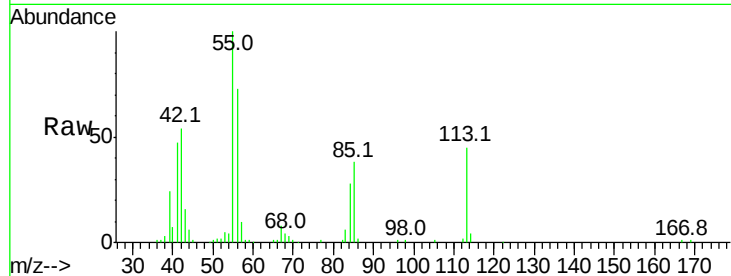
15-50-RT3460-RT4215-RT3451MSD

Tot Ion:113 Resp: 61981

Ion	Ratio	Lower	Upper
113	100		
55	220.7	150.2	190.2#
56	160.8	107.8	147.8#

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#36

4-Chloro-3-methylphenol

Concen: 43.923 ng

RT: 8.29 min Scan# 1106

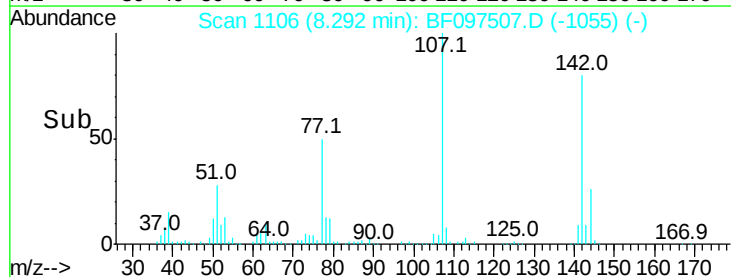
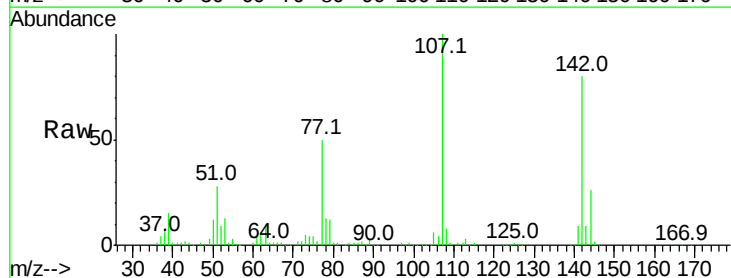
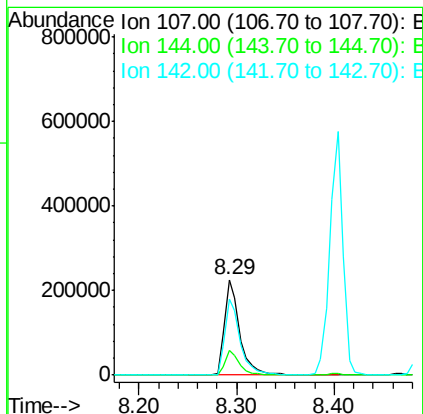
Delta R.T. -0.00 min

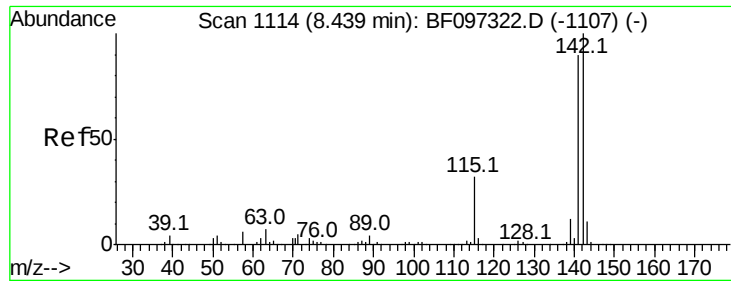
Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:107 Resp: 245631

Ion	Ratio	Lower	Upper
107	100		
144	25.7	24.2	36.4
142	79.8	73.4	110.0





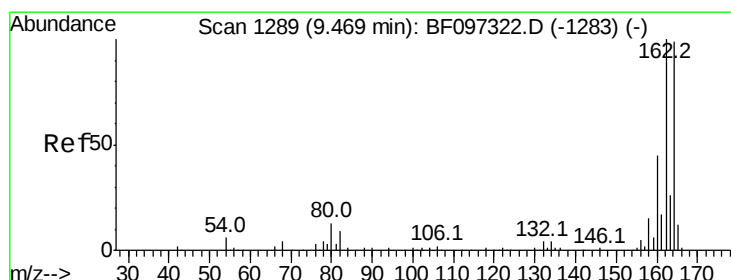
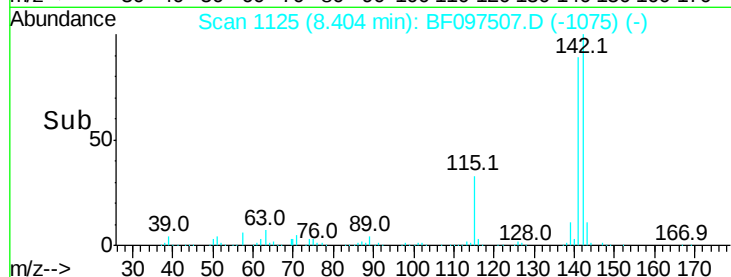
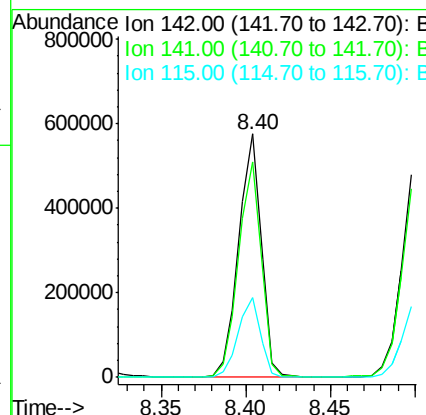
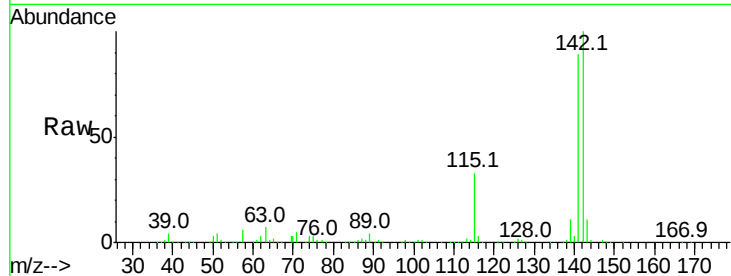
#37
2-Methylnaphthalene
Concen: 47.778 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	535520		
141	88.6		71.3	106.9
115	33.0		27.1	40.7

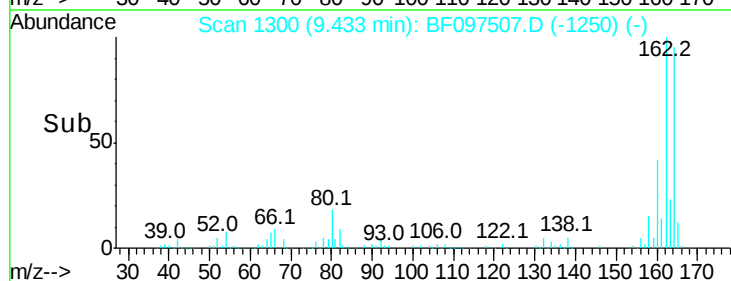
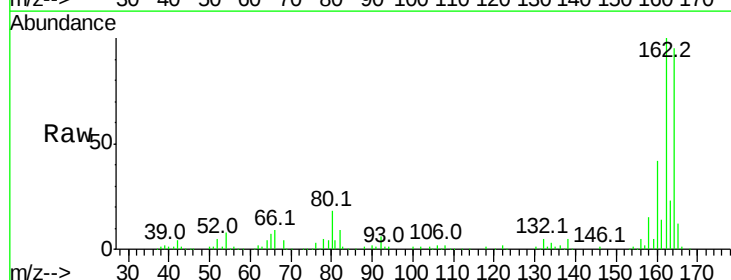
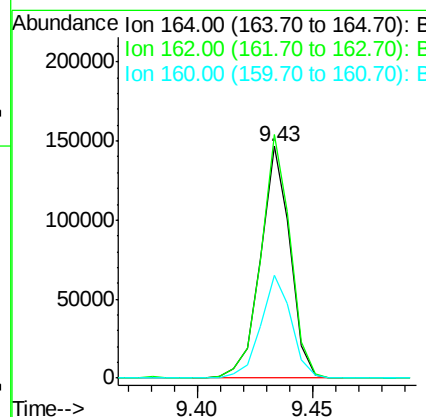
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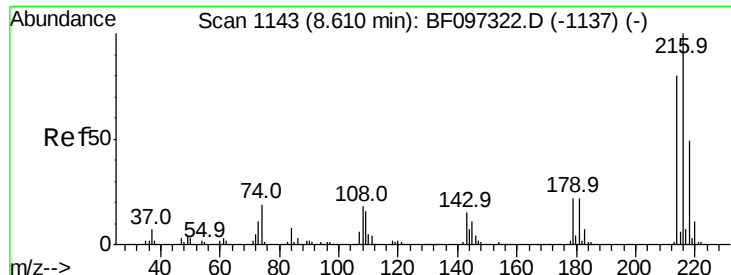
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	130386		
162	104.9		82.6	123.8
160	44.6		36.2	54.2





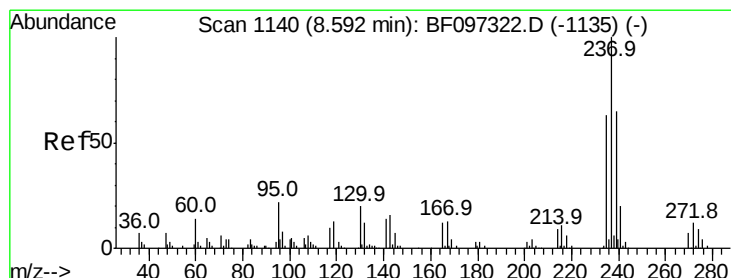
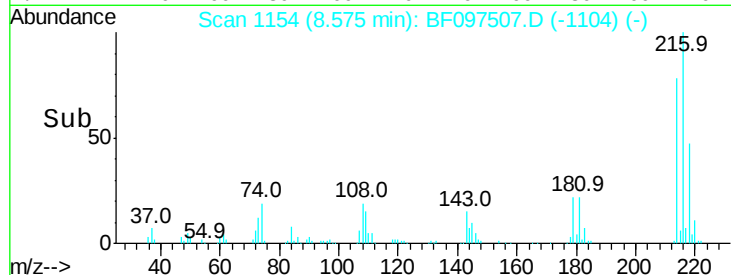
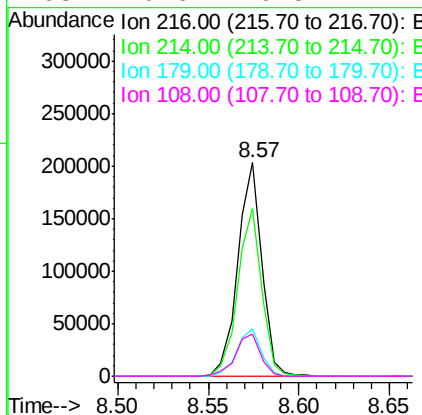
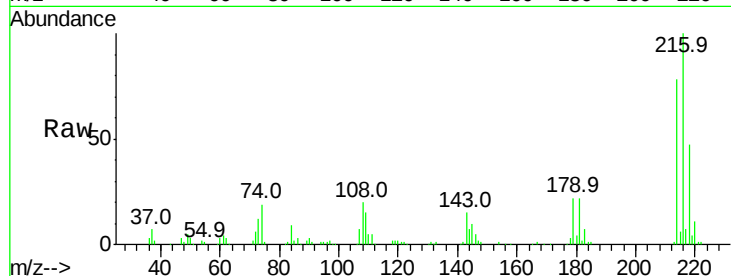
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 53.687 ng
 RT: 8.57 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	186780		
214	78.7	63.4	95.2	
179	22.8	17.9	26.9	
108	20.6	16.5	24.7	

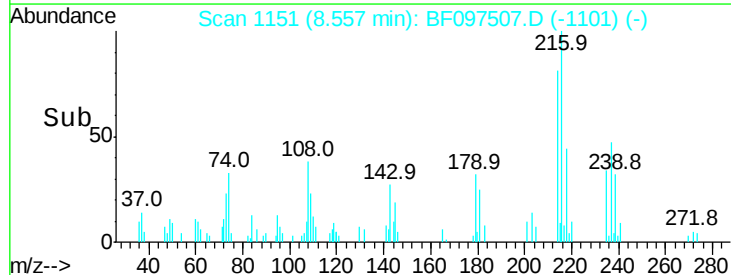
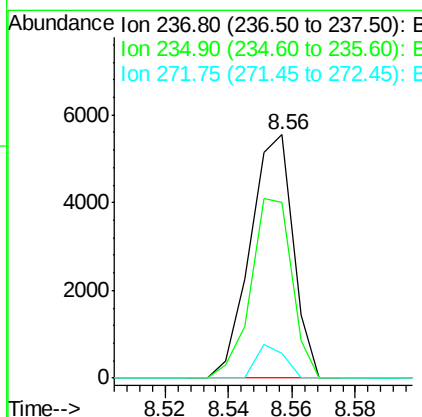
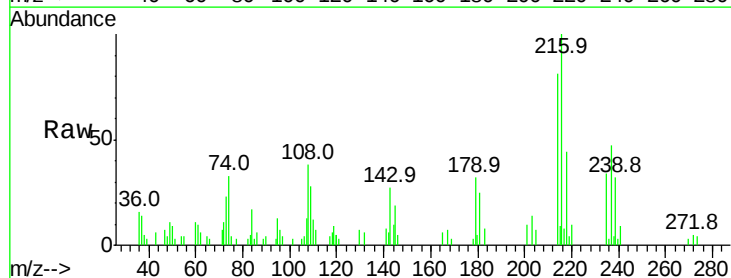
Manual Integrations
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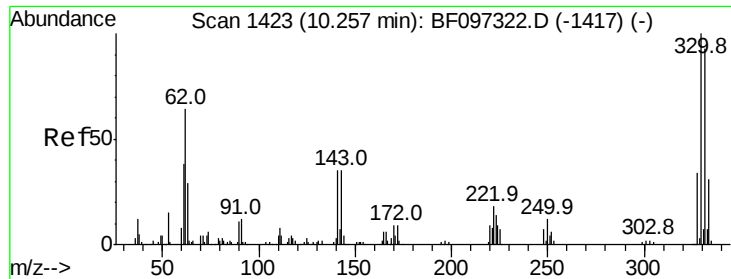
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#40
 Hexachlorocyclopentadiene
 Concen: 10.521 ng
 RT: 8.56 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	5210		
235	72.2	42.6	82.6	
272	10.0	0.0	31.9	





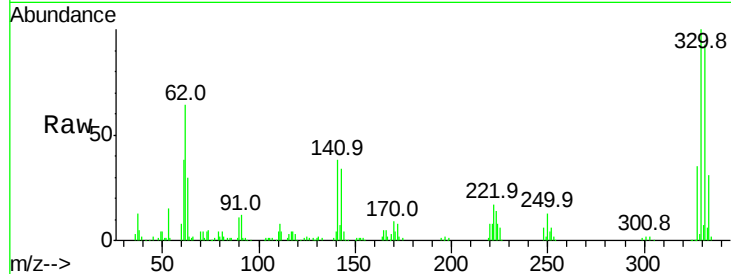
#41
 2,4,6-Tribromophenol
 Concen: 146.857 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

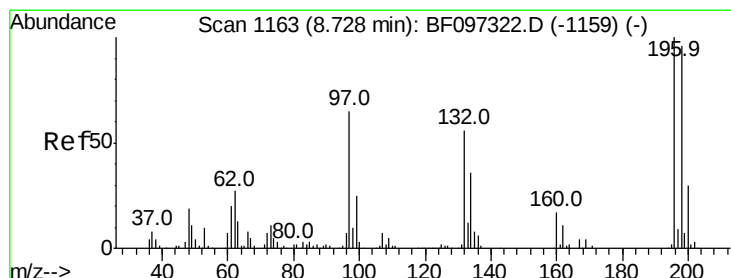
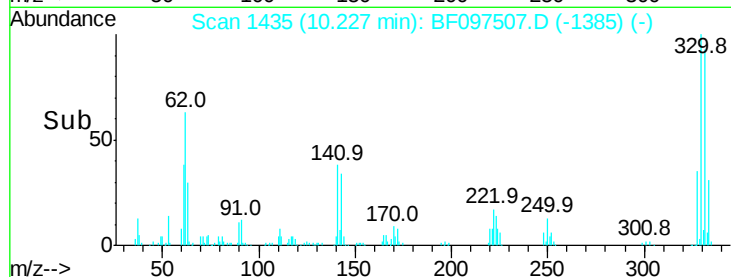
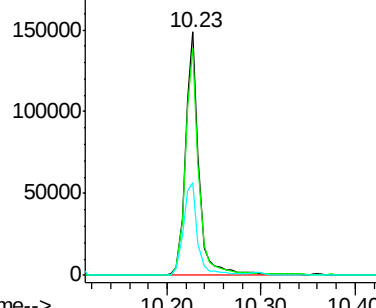
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.9	76.6	115.0	
141	41.0	31.4	47.2	

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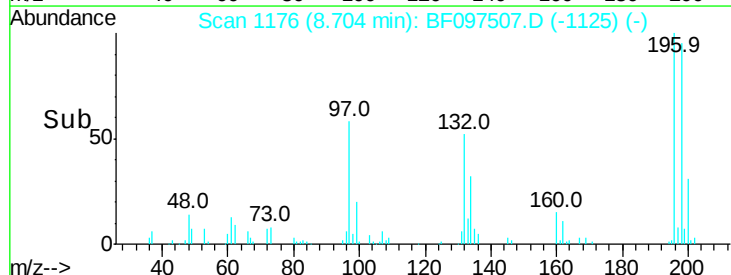
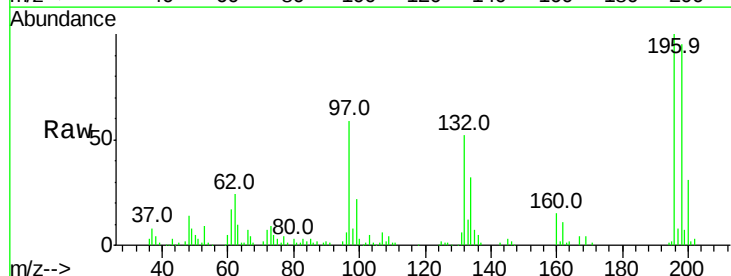
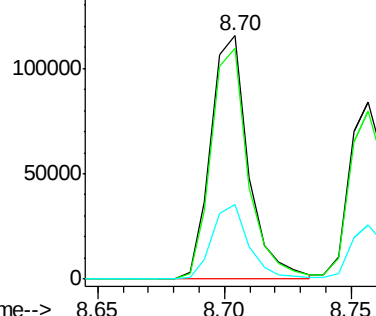
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 47.639 ng
 RT: 8.70 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.9	74.2	111.4	
200	30.8	24.0	36.0	

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





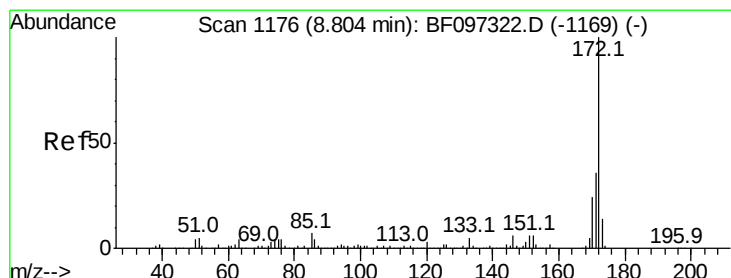
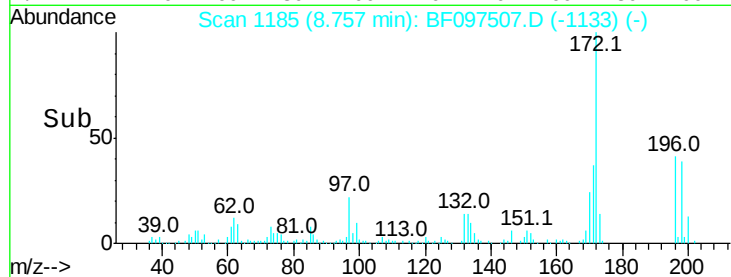
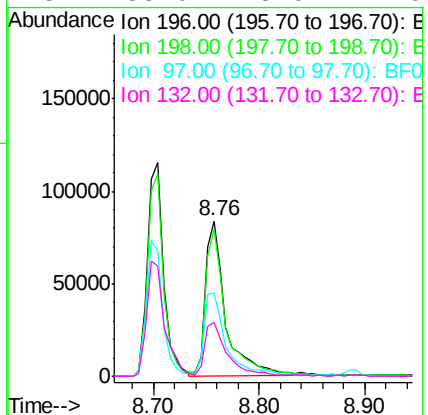
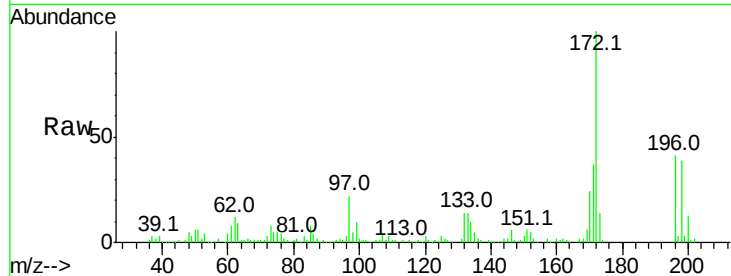
#43
 2,4,5-Trichlorophenol
 Concen: 44.569 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	196	Resp	112468
Ion Ratio	Lower	Upper	
196	100		
198	94.8	75.7	113.5
97	53.8	47.7	71.5
132	35.0	28.0	42.0

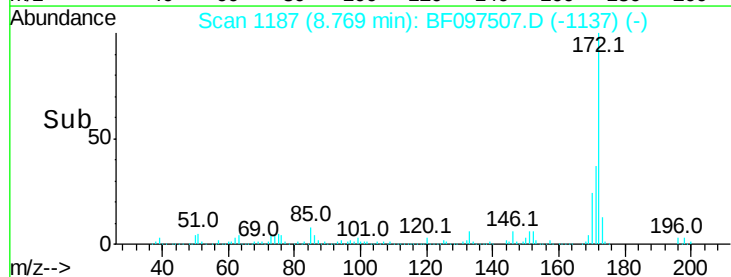
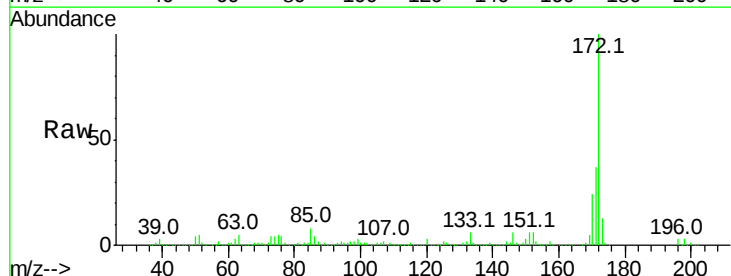
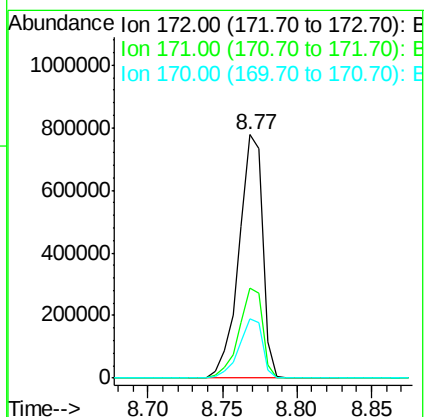
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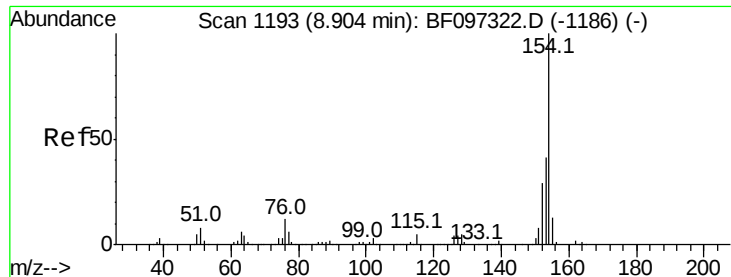
Sohil
 8/9/2017 7:17:00 PM



#44
 2-Fluorobiphenyl
 Concen: 111.985 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	172	Resp	860371
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.6	44.4
170	24.1	19.8	29.8





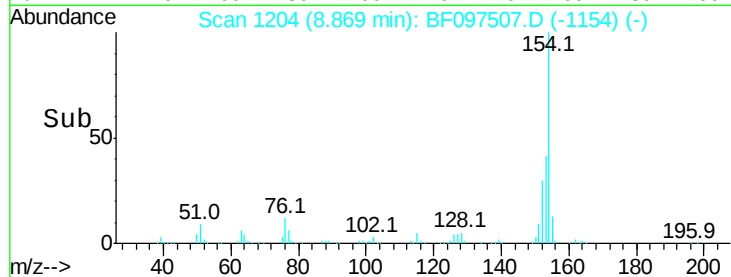
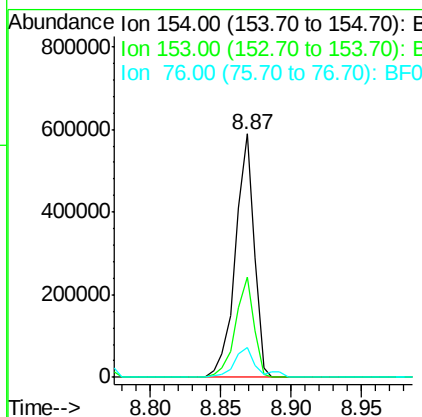
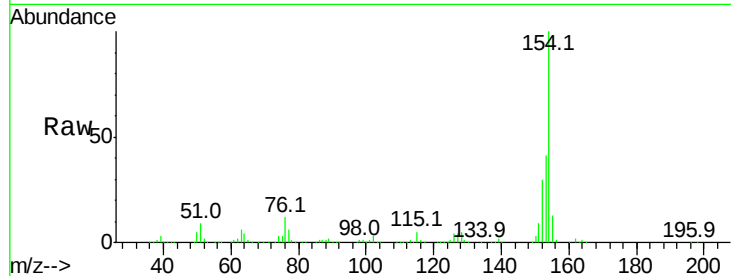
#45
 1,1'-Biphenyl
 Concen: 48.896 ng
 RT: 8.87 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	154	Resp:	544543
Ion Ratio	Lower	Upper	
154	100		
153	41.4	21.2	61.2
76	12.0	0.0	29.9

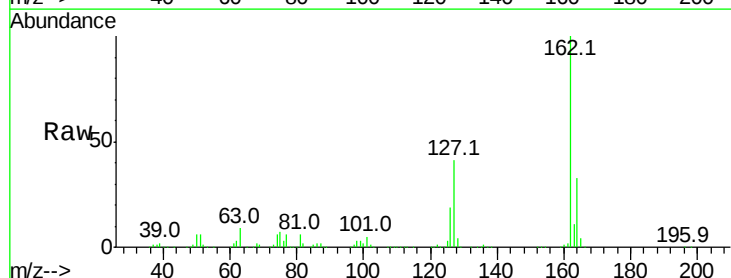
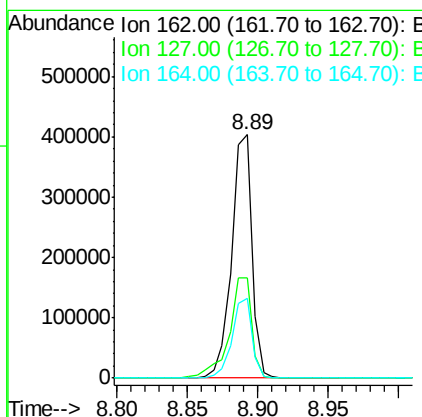
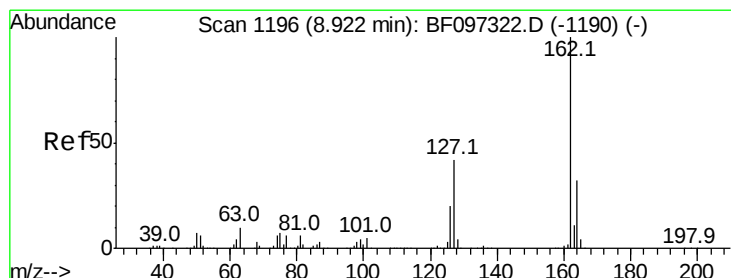
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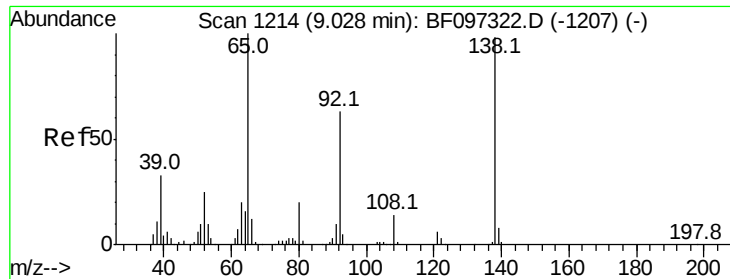
Sohil
 8/9/2017 7:17:00 PM



#46
 2-Chloronaphthalene
 Concen: 49.513 ng
 RT: 8.89 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:	162	Resp:	405782
Ion Ratio	Lower	Upper	
162	100		
127	41.2	28.3	42.5
164	32.9	27.0	40.4





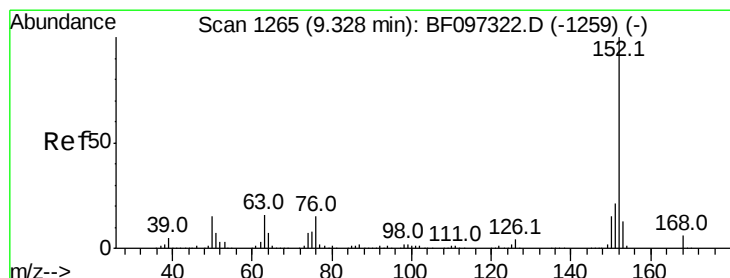
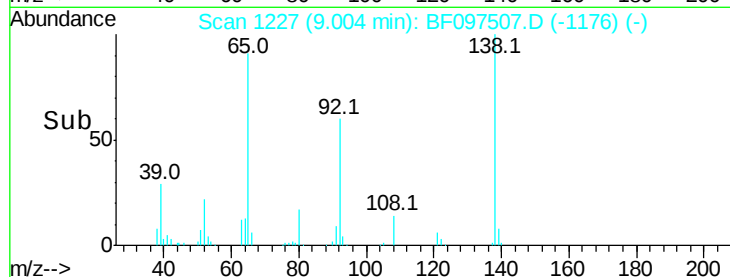
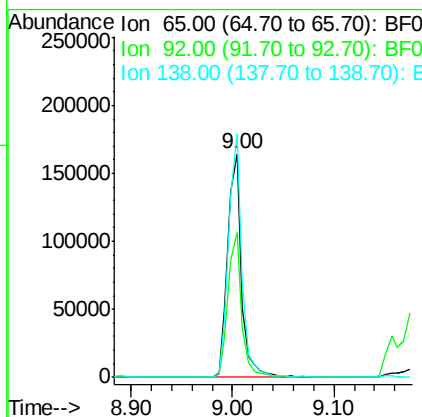
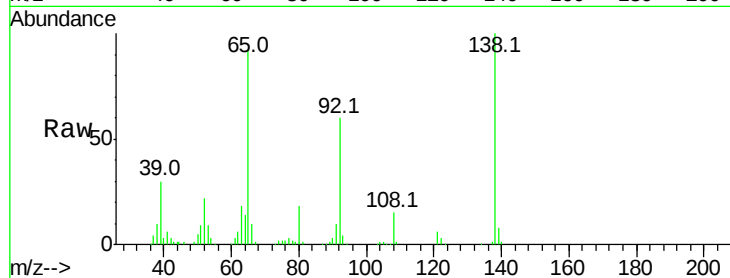
#47
2-Nitroaniline
Concen: 52.755 ng
RT: 9.00 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156906		
92	65.1	53.9	80.9	
138	108.9	78.8	118.2	

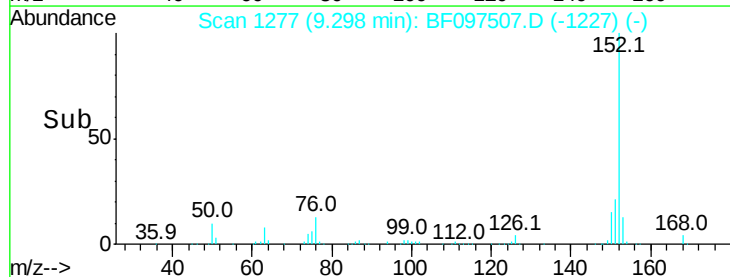
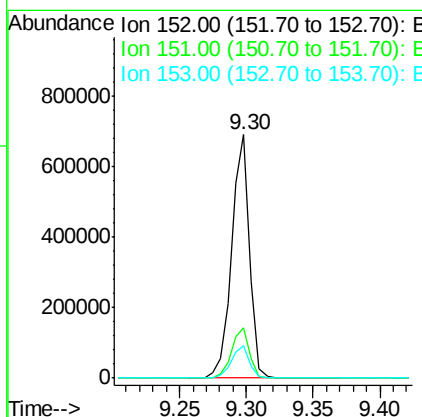
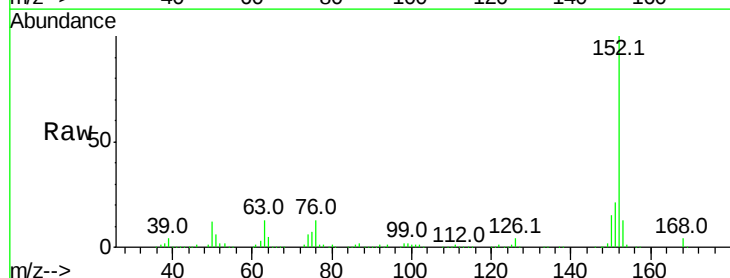
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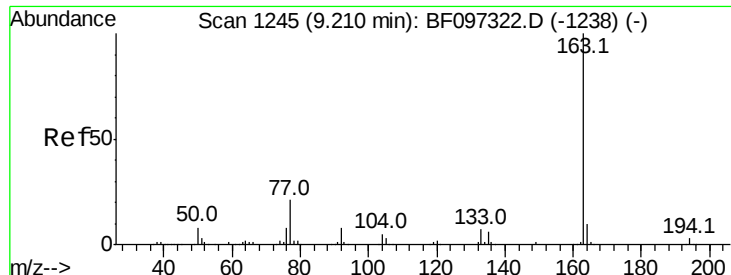
Sohil
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#48
Acenaphthylene
Concen: 51.448 ng
RT: 9.30 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	647185		
151	20.6	16.8	25.2	
153	13.5	10.8	16.2	





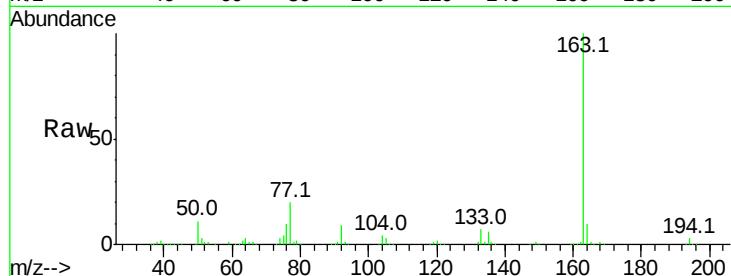
#49
Dimethylphthalate
Concen: 55.079 ng
RT: 9.18 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

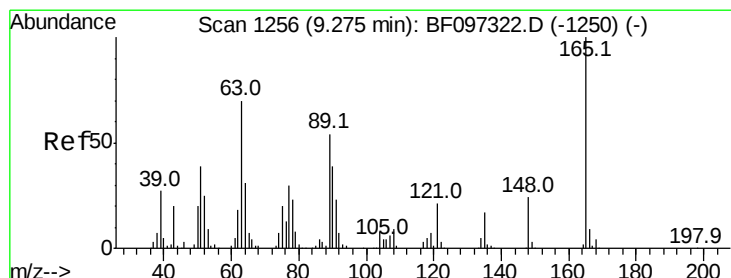
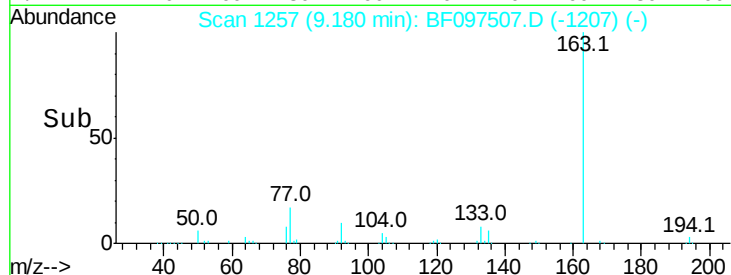
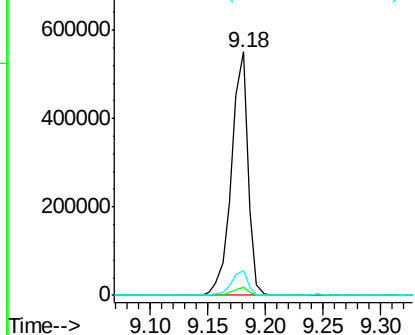
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.1	8.4	12.6

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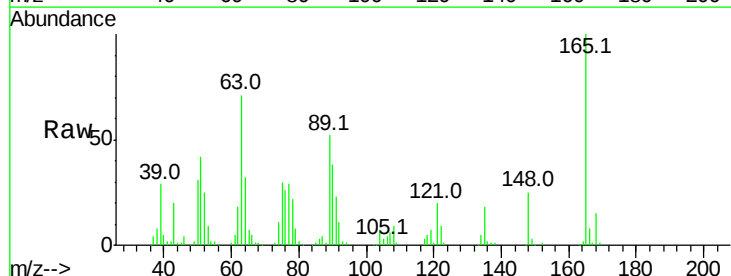


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

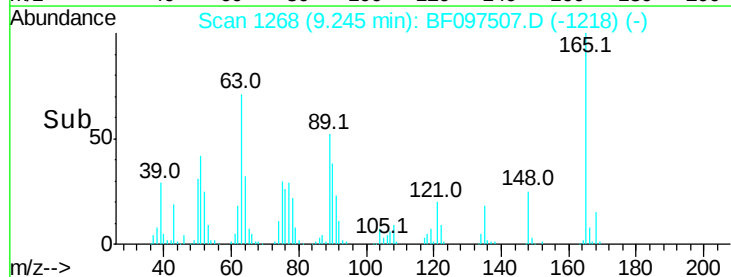
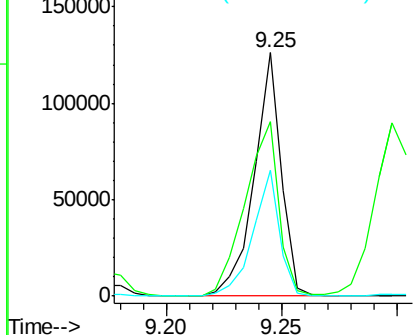


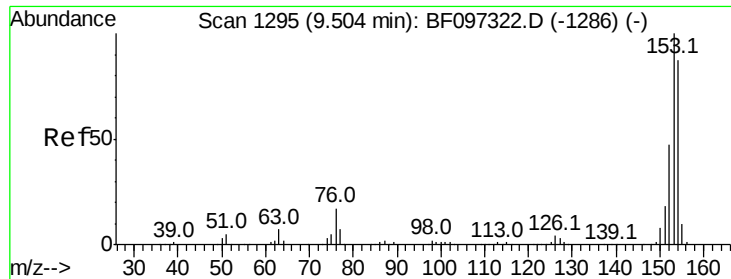
#50
2,6-Dinitrotoluene
Concen: 49.079 ng
RT: 9.25 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	71.5	34.3	51.5#
89	51.5	37.1	55.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





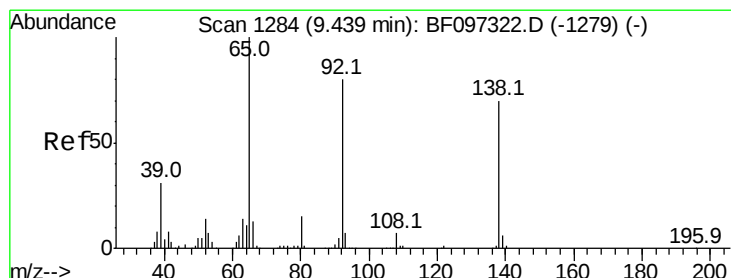
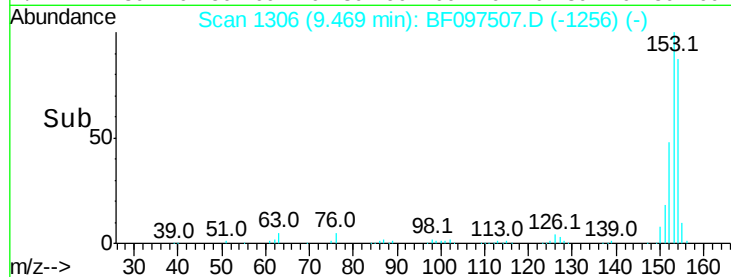
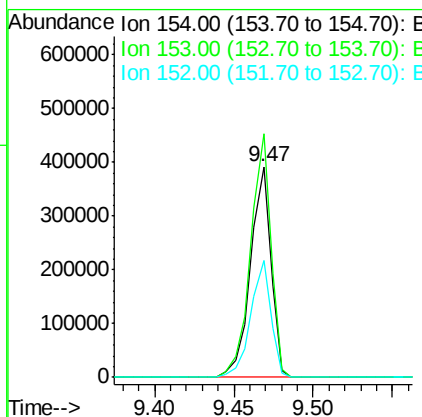
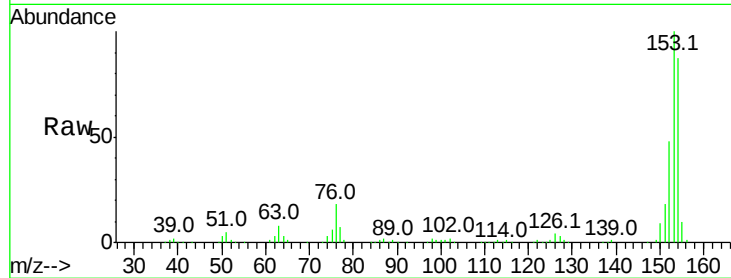
#51
Acenaphthene
Concen: 47.558 ng
RT: 9.47 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.5	135.7
152	55.4	43.6	65.4

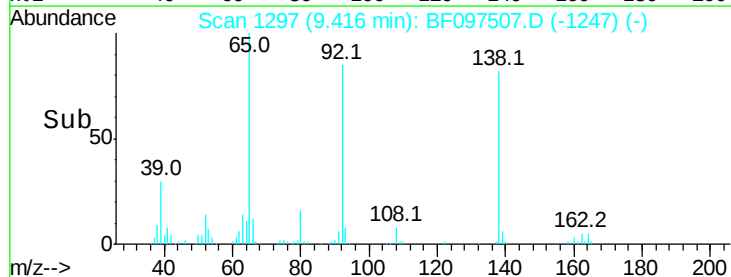
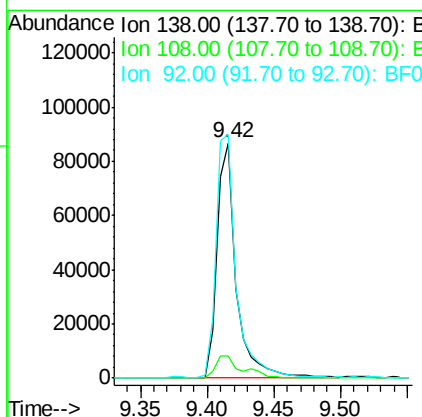
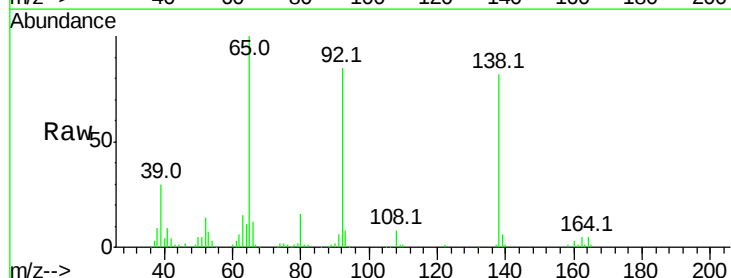
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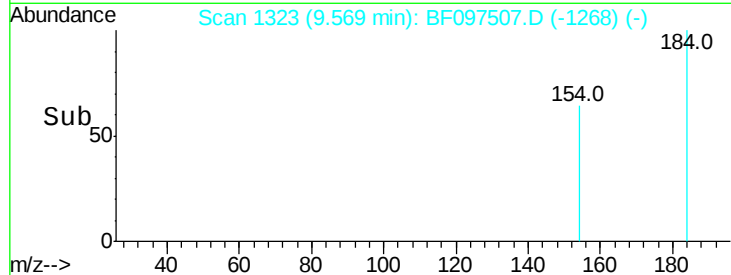
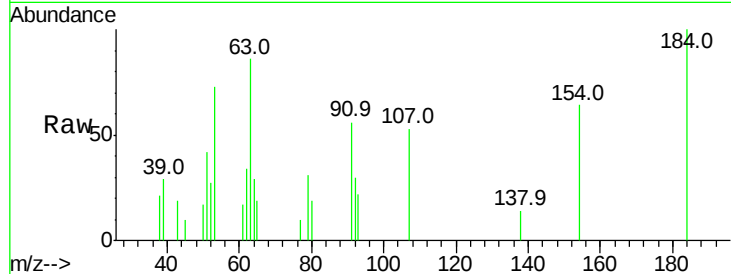
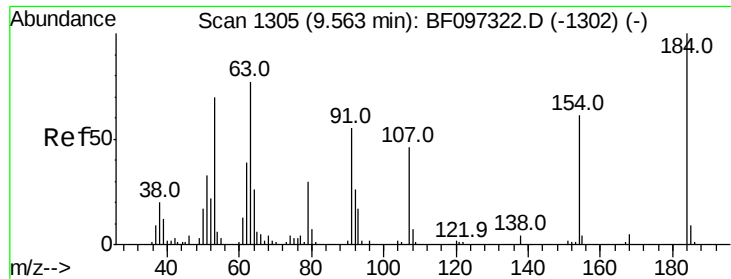
Sohil
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#52
3-Nitroaniline
Concen: 34.119 ng
RT: 9.42 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.4	9.1	13.7
92	103.5	93.8	140.6





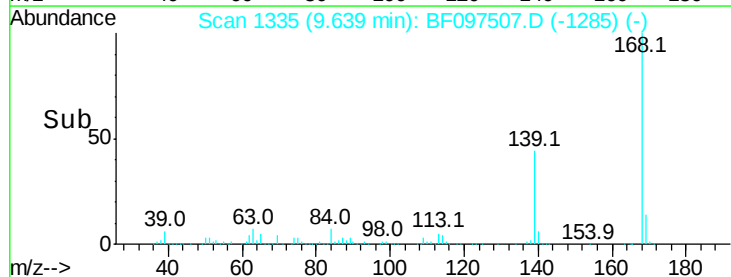
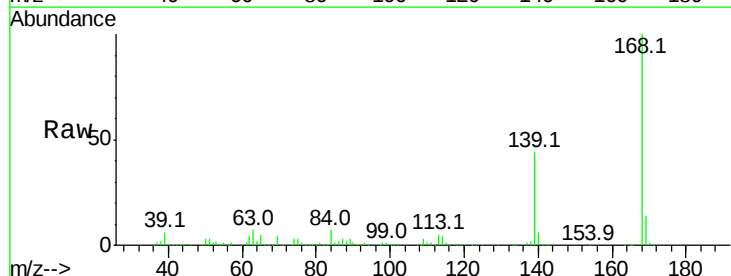
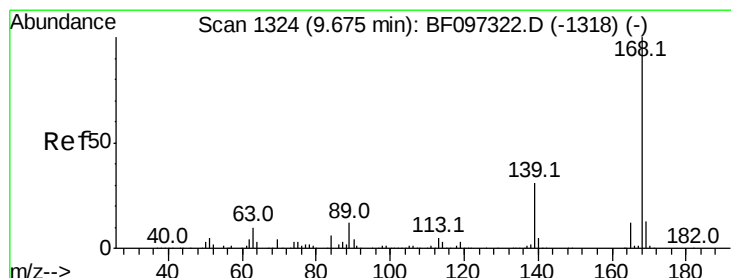
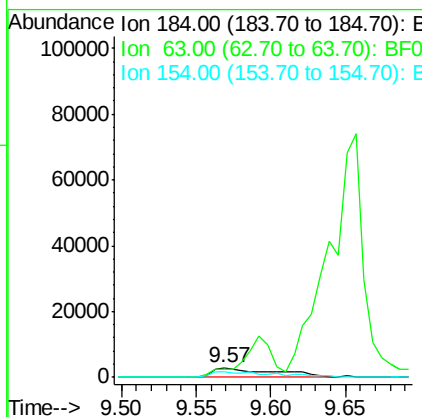
#53
2,4-Dinitrophenol
Concen: 8.659 ng
RT: 9.57 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tot Ion:184 Resp: 8268
Ion Ratio Lower Upper
184 100
63 85.9 62.7 94.1
154 64.4 81.1 121.7#

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

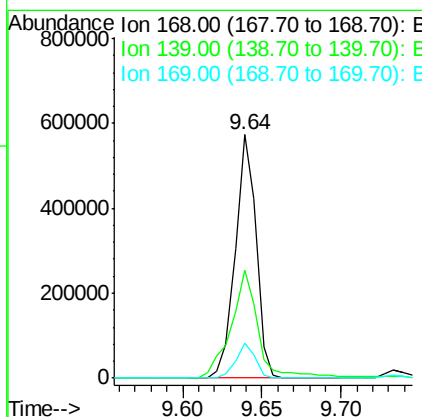
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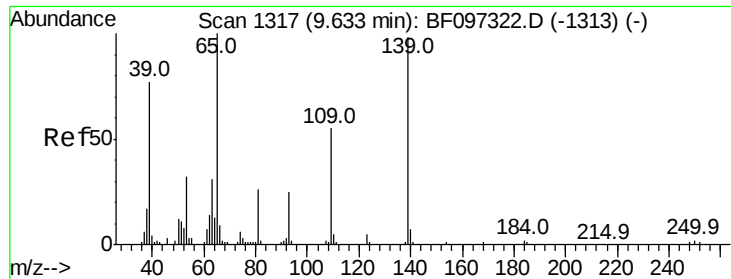
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#54
Dibenzofuran
Concen: 53.104 ng
RT: 9.64 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion:168 Resp: 524113
Ion Ratio Lower Upper
168 100
139 44.2 30.6 45.8
169 14.3 10.8 16.2





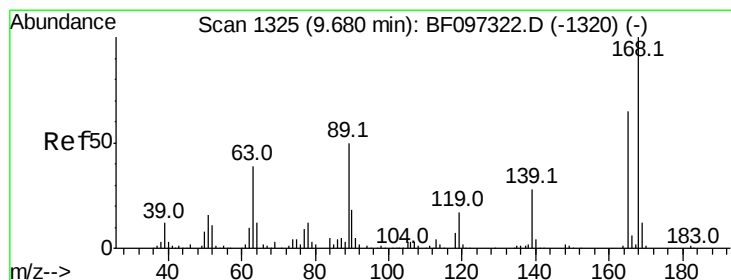
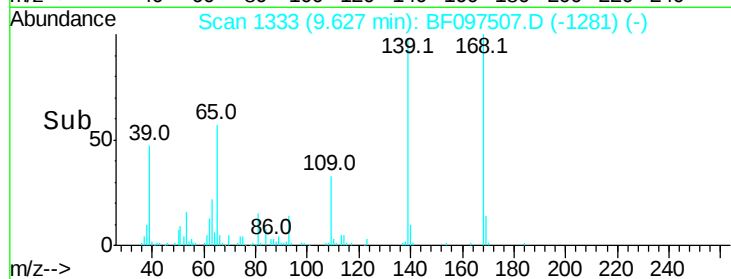
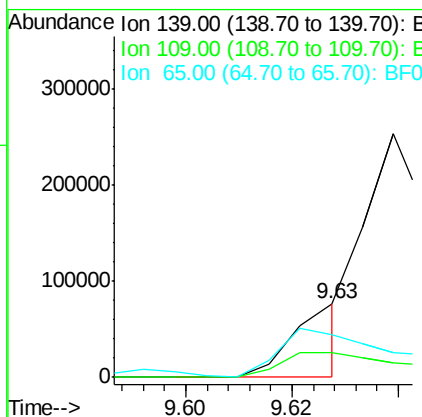
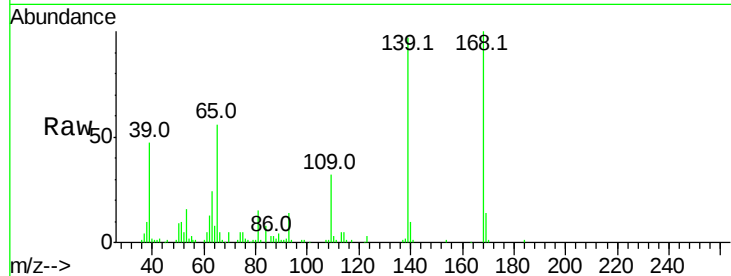
#55
4-Nitrophenol
Concen: 32.863 ng/mL
RT: 9.63 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	33.1	34.1	74.1#
65	58.2	31.4	71.4

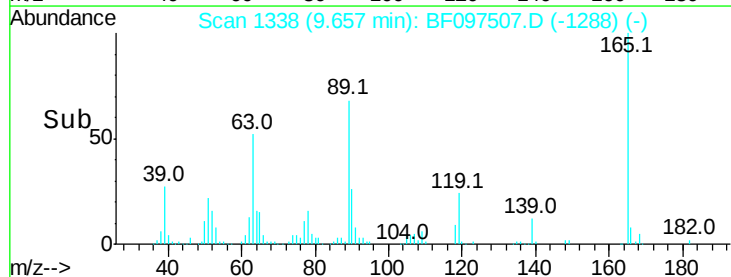
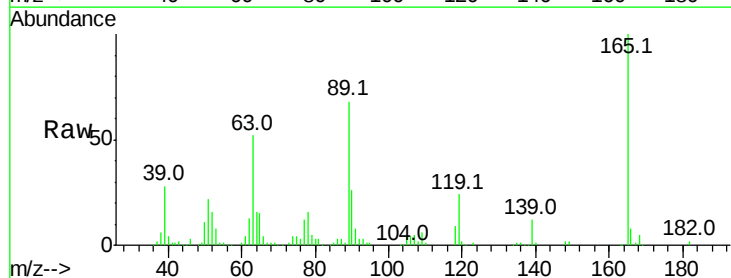
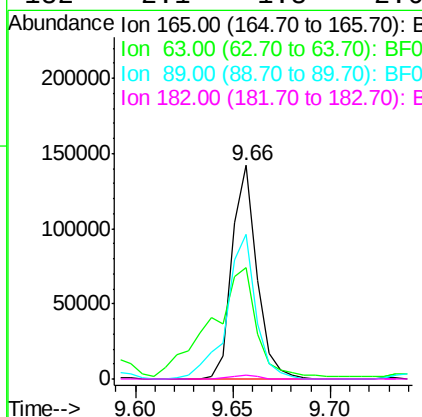
Manual Integrations
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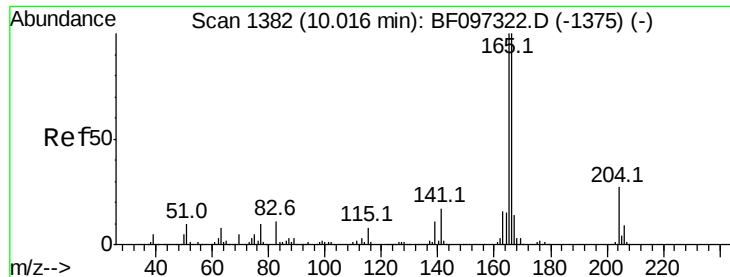
Sohil
8/9/2017 7:17:00 PM



#56
2,4-Dinitrotoluene
Concen: 51.951 ng/mL
RT: 9.66 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.1	25.4	38.0#
89	67.8	46.4	69.6
182	2.1	1.8	2.6





#57

Fluorene

Concen: 53.871 ng

RT: 9.98 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

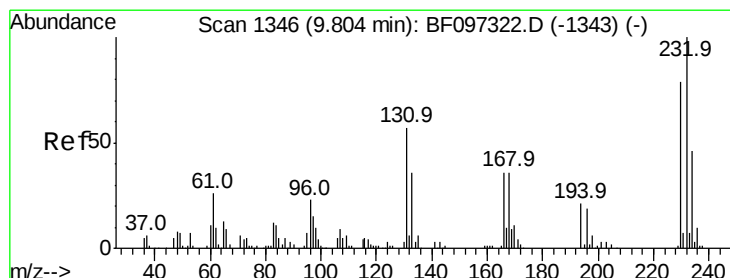
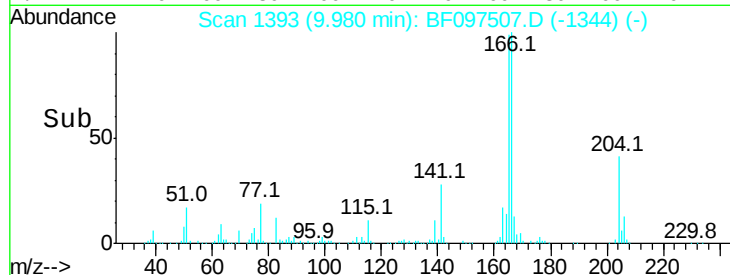
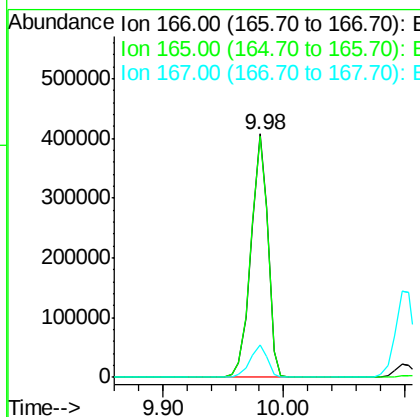
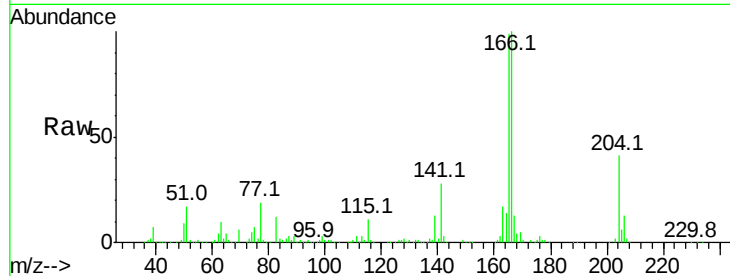
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	166	Resp:	399606
Ion Ratio	Lower	Upper	
166	100		
165	99.0	78.8	118.2
167	13.4	10.6	16.0

Manual Integrations
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8/9/2017 7:17:00 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.431 ng

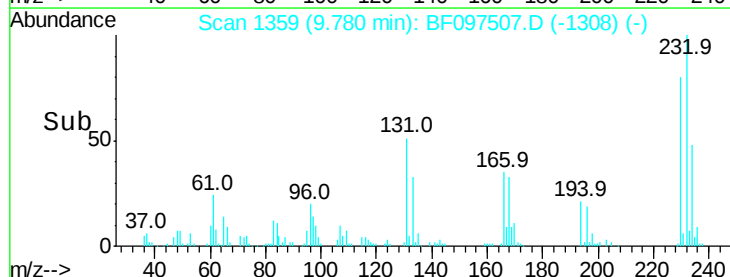
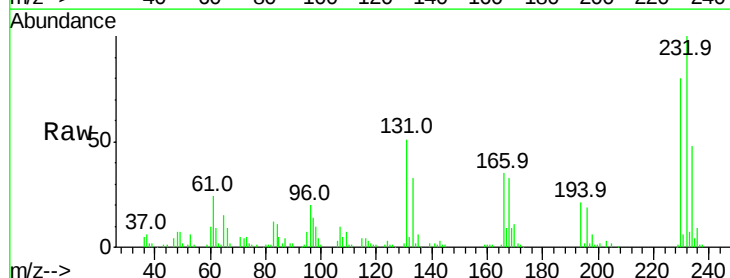
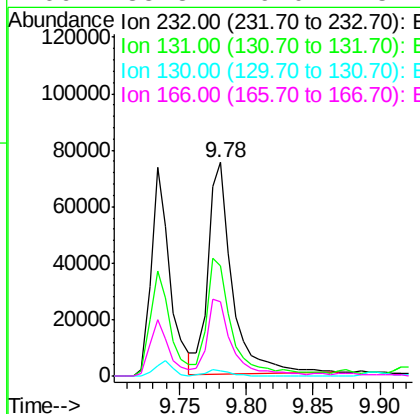
RT: 9.78 min Scan# 1359

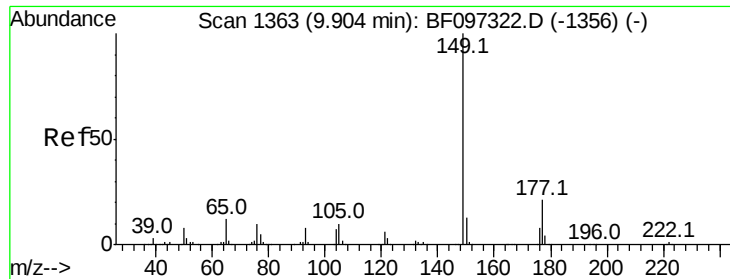
Delta R.T. -0.00 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	232	Resp:	96581
Ion Ratio	Lower	Upper	
232	100		
131	54.2	44.8	67.2
130	2.6	2.3	3.5
166	35.8	29.0	43.4





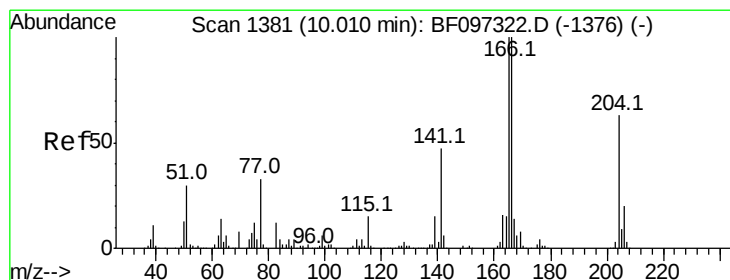
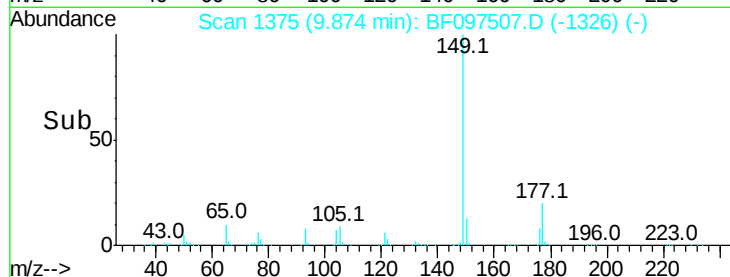
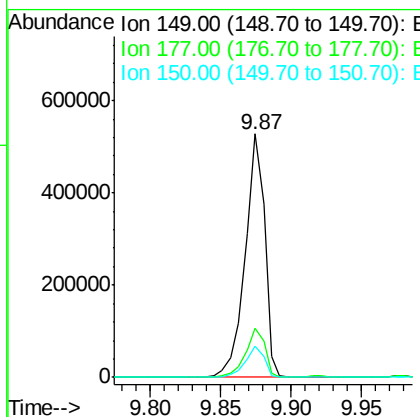
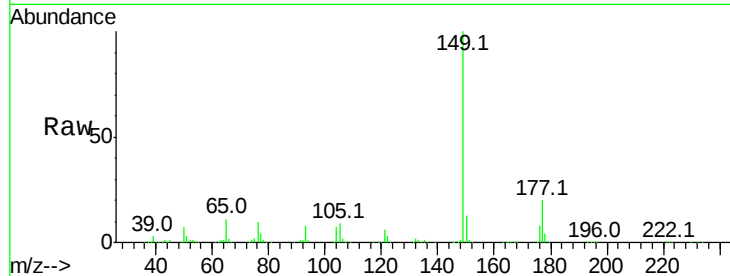
#59
Diethylphthalate
Concen: 56.285 ng
RT: 9.87 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	511279		
177	20.0	16.7	25.1	
150	12.7	10.2	15.2	

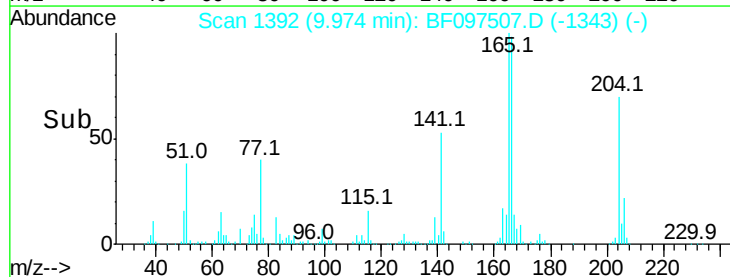
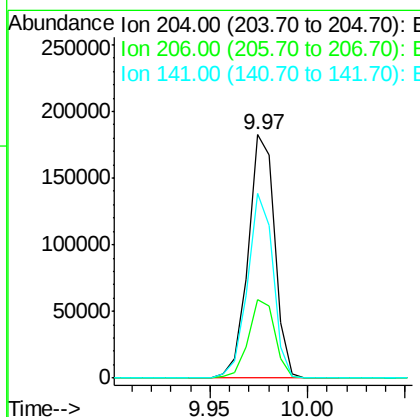
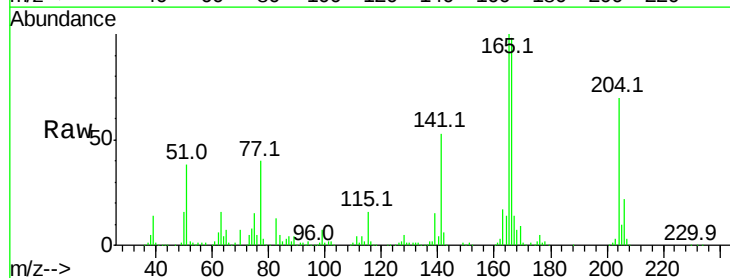
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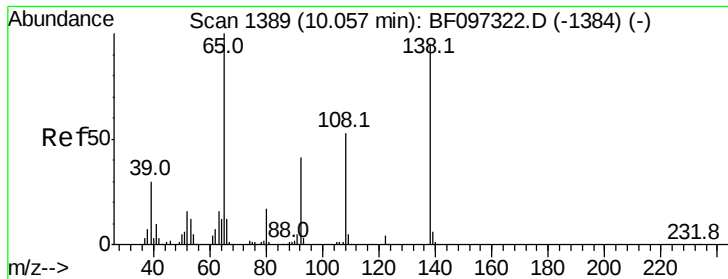
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#60
4-Chlorophenyl-phenylether
Concen: 56.289 ng
RT: 9.97 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	172423		
206	32.0	26.2	39.2	
141	75.7	60.8	91.2	





#61

4-Nitroaniline

Concen: 51.515 ng

RT: 10.03 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

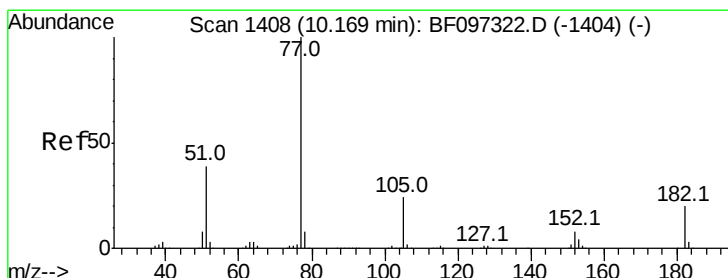
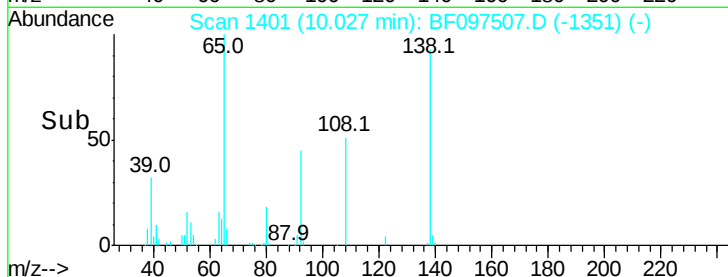
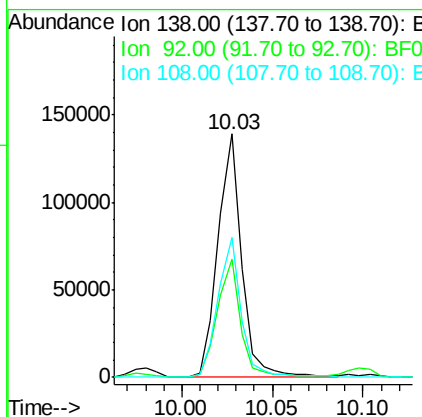
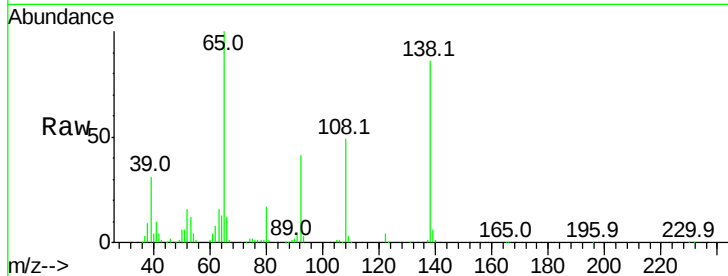
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	138	Resp:	127590
Ion Ratio	Lower	Upper	
138	100		
92	48.4	21.8	61.8
108	57.6	42.3	82.3

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#62

Azobenzene

Concen: 57.614 ng

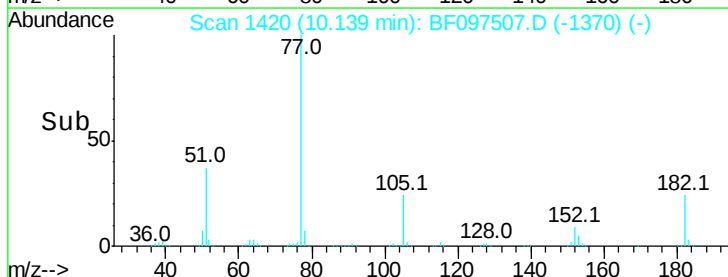
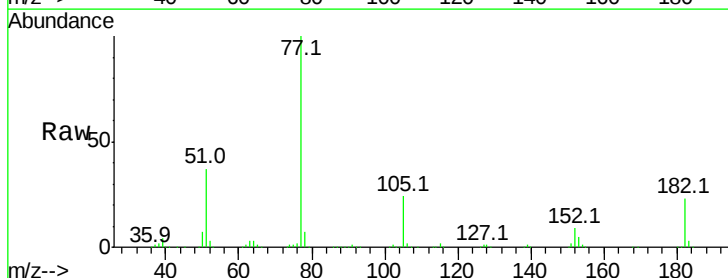
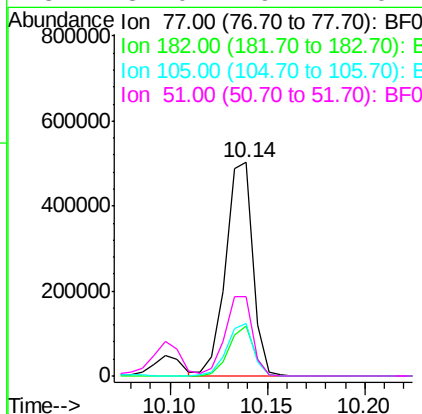
RT: 10.14 min Scan# 1420

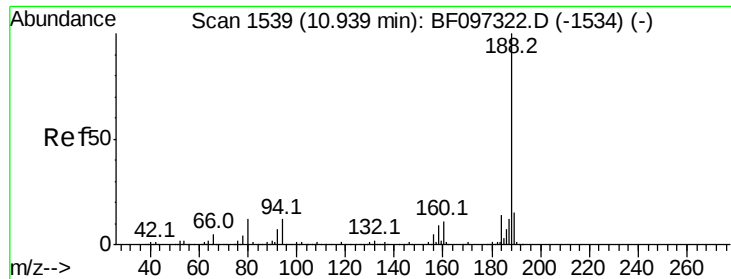
Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	77	Resp:	485512
Ion Ratio	Lower	Upper	
77	100		
182	23.5	0.1	40.1
105	24.5	3.6	43.6
51	37.0	9.4	49.4





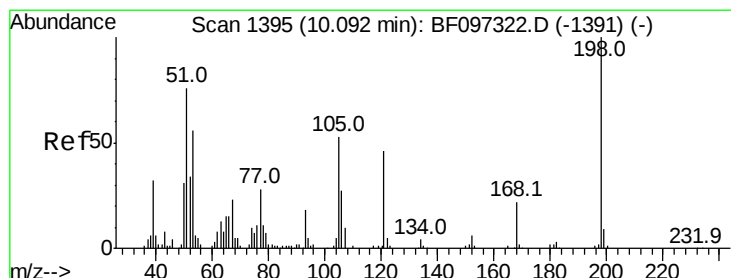
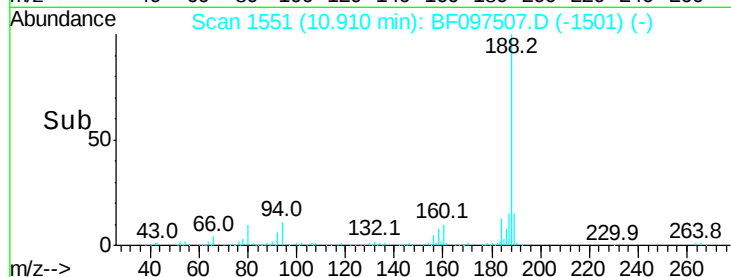
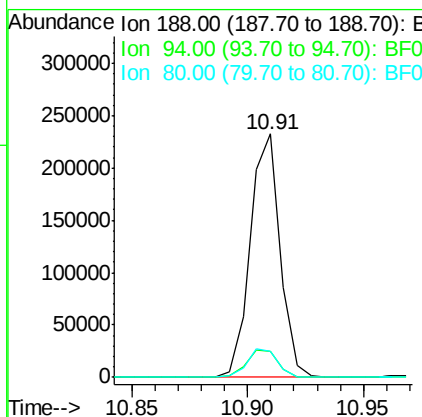
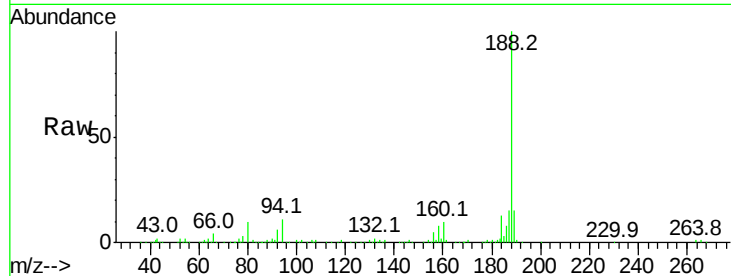
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	209366		
94	10.9		9.4	14.2
80	10.5		10.2	15.2

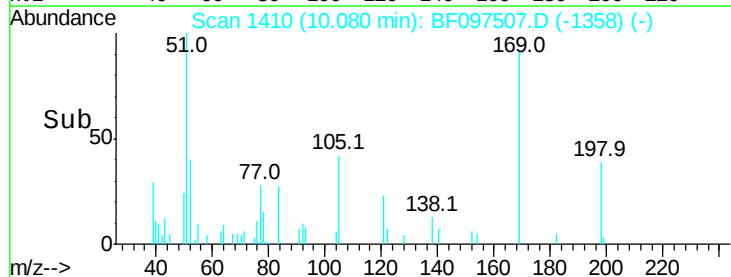
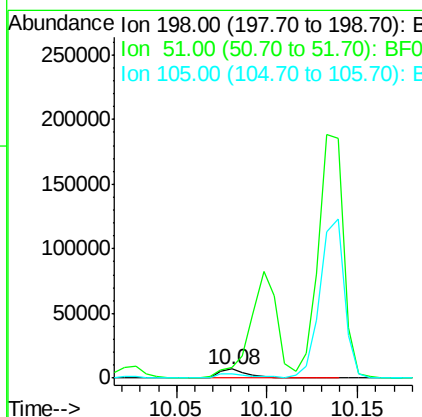
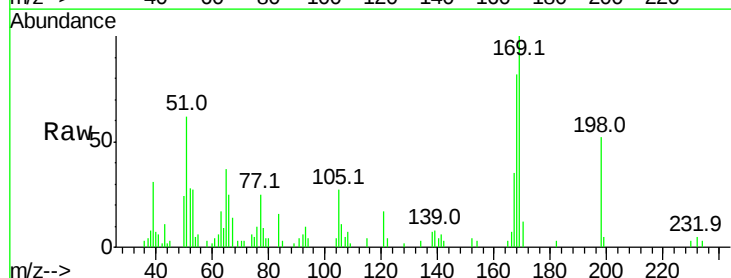
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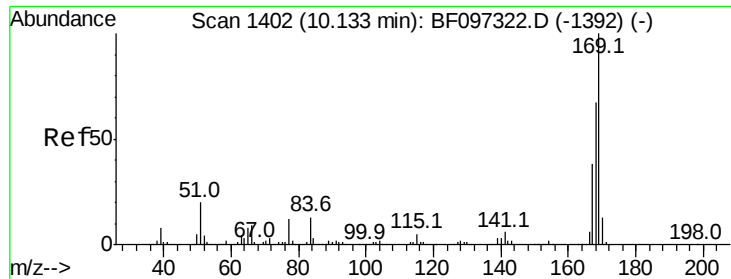
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#64
4,6-Dinitro-2-methylphenol
Concen: 6.474 ng
RT: 10.08 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	8422		
51	120.3		53.2	93.2#
105	51.9		45.8	85.8





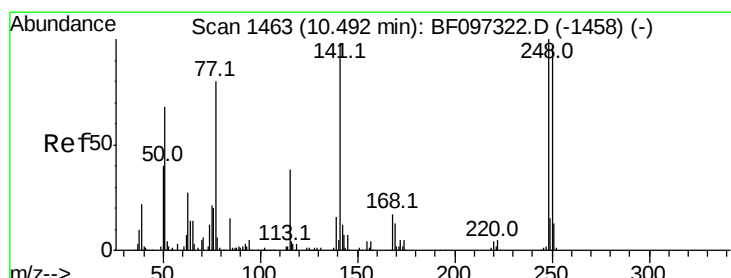
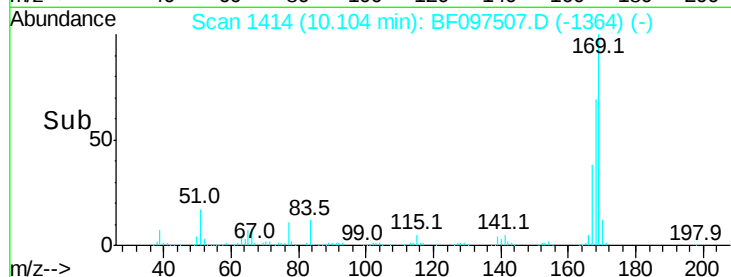
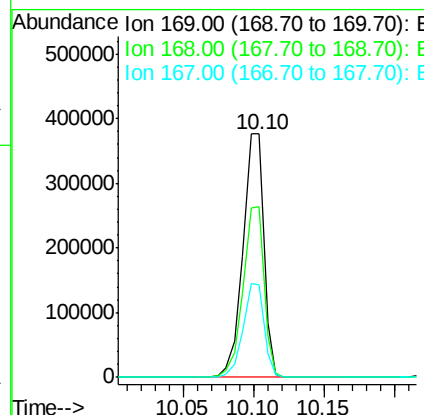
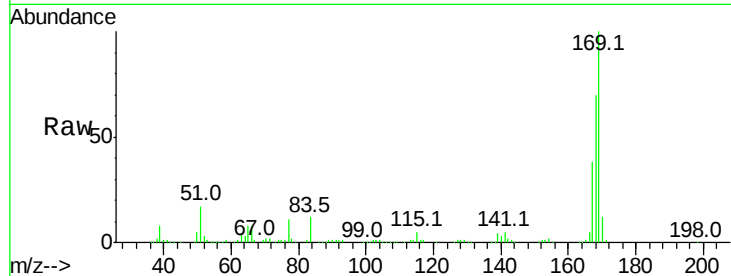
#65
 n-Nitrosodiphenylamine
 Concen: 53.559 ng
 RT: 10.10 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp Lower	Upper
169	100		
168	69.8	53.2	79.8
167	37.9	29.5	44.3

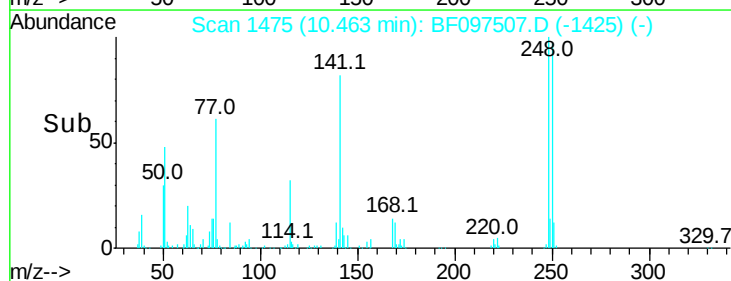
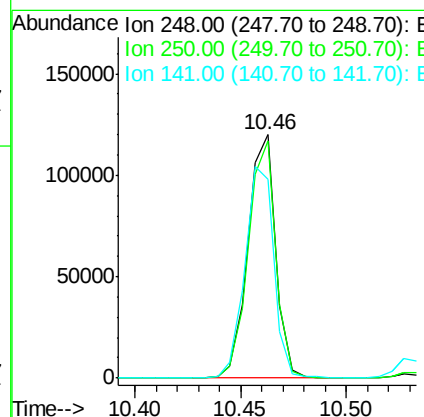
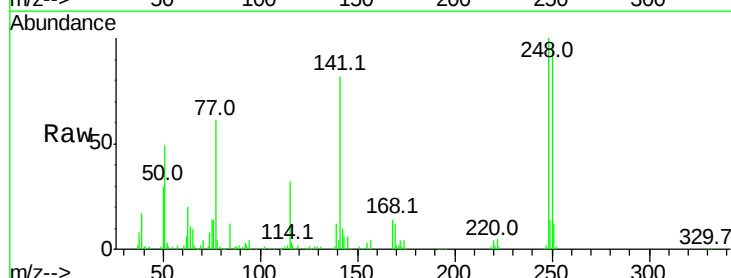
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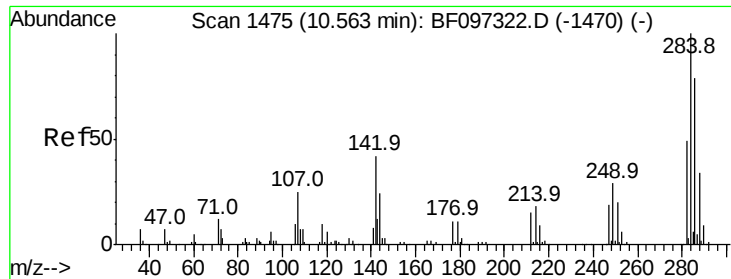
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#66
 4-Bromophenyl-phenylether
 Concen: 52.209 ng
 RT: 10.46 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	97.2	76.8	115.2
141	81.7	68.6	103.0





#67

Hexachlorobenzene

Concen: 46.611 ng

RT: 10.53 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

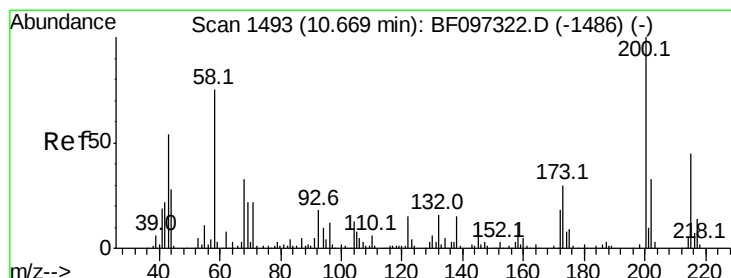
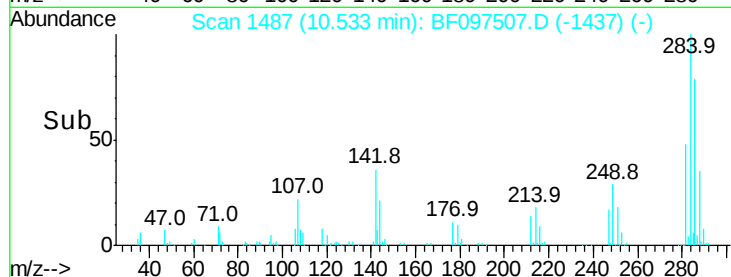
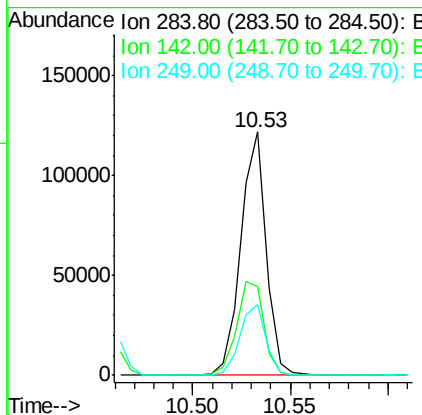
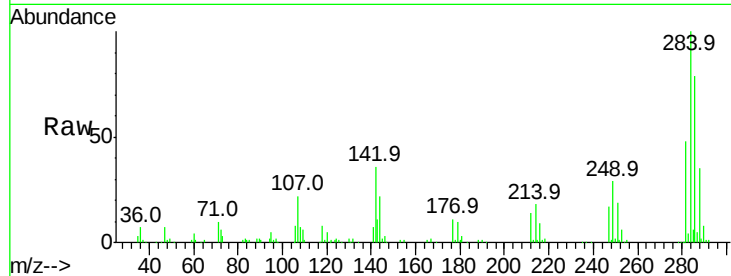
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	284	Resp:	109211
Ion Ratio	Lower	Upper	
284	100		
142	36.3	22.8	34.2#
249	29.2	24.0	36.0

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#68

Atrazine

Concen: 48.684 ng

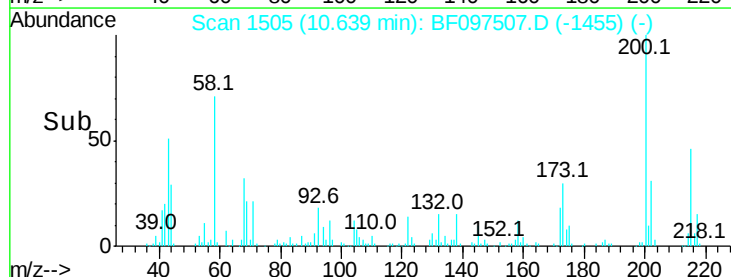
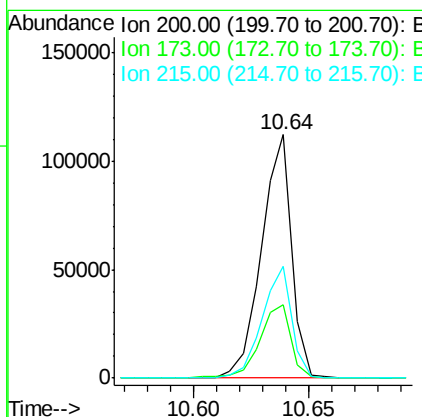
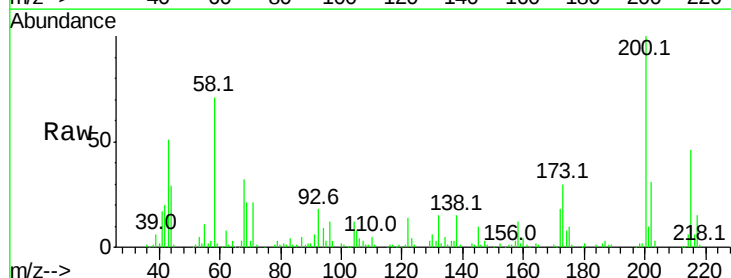
RT: 10.64 min Scan# 1505

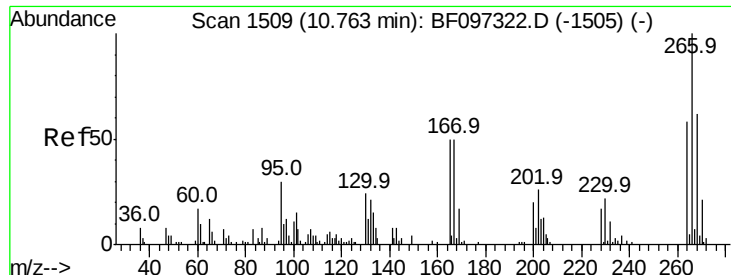
Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	200	Resp:	101696
Ion Ratio	Lower	Upper	
200	100		
173	30.2	6.3	46.3
215	45.8	27.2	67.2





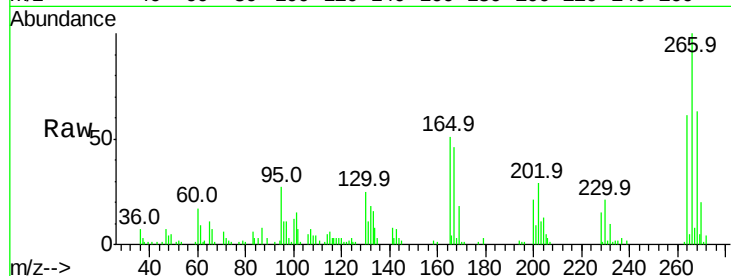
#69
 Pentachlorophenol
 Concen: 73.501 ng
 RT: 10.74 min Scan# 1522
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

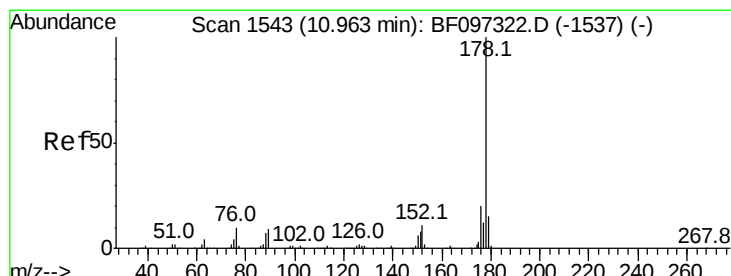
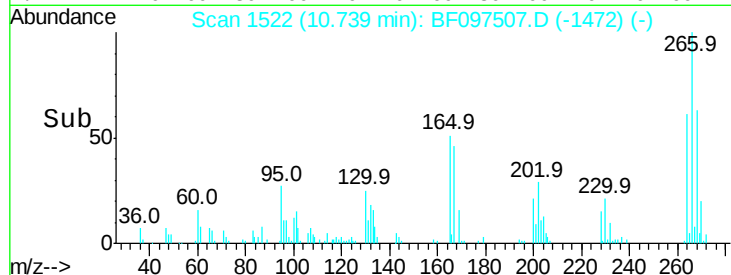
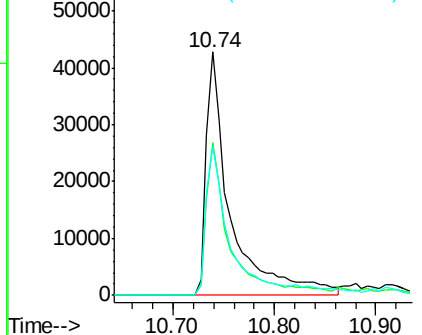
Tot Ion	Ratio	Resp	Lower	Upper
266	100	71256		
268	62.7		51.1	76.7
264	61.3		51.7	77.5

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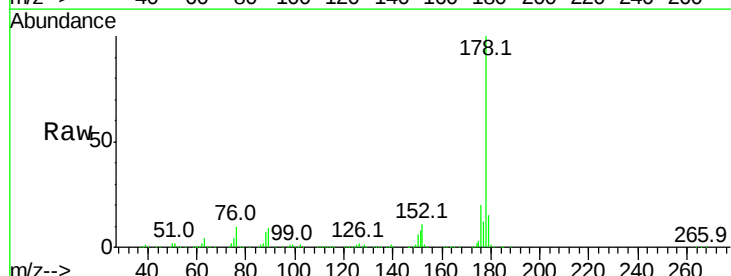


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

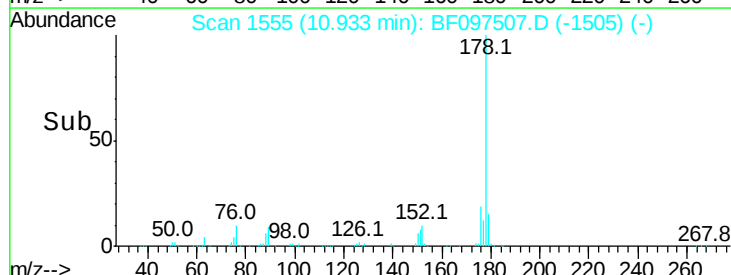
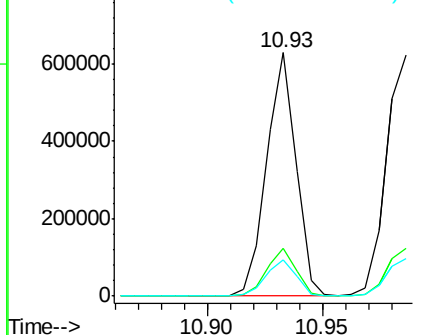


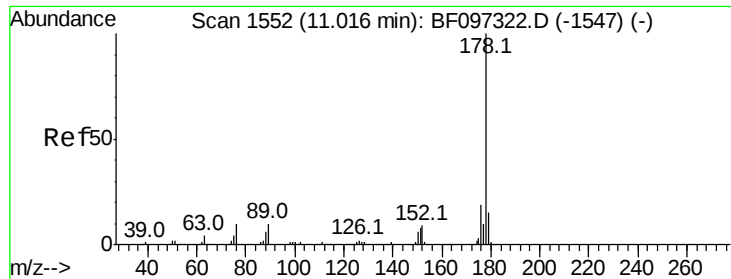
#70
 Phenanthrene
 Concen: 49.784 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	558468		
176	19.6		16.2	24.4
179	15.0		12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





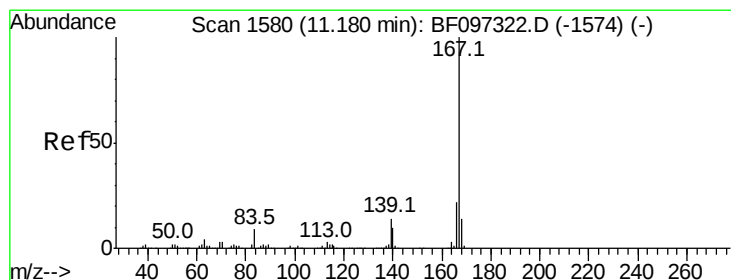
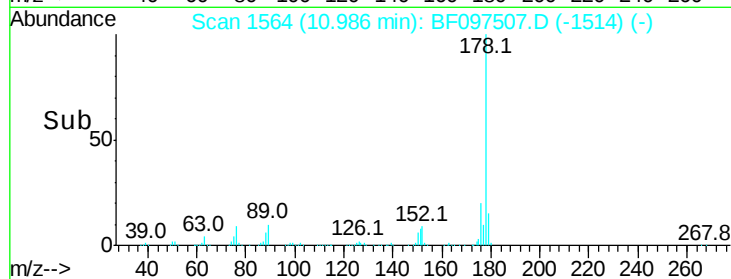
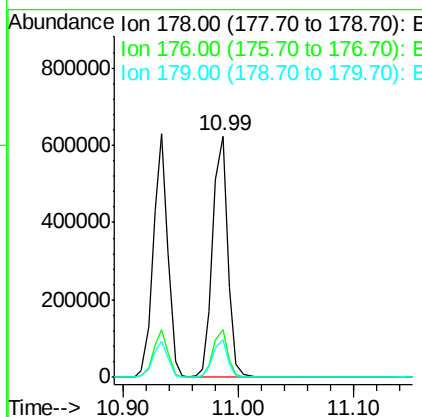
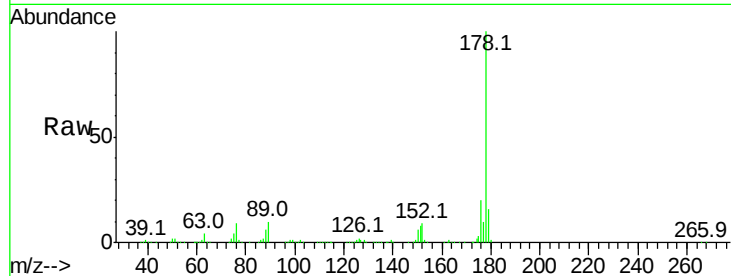
#71
 Anthracene
 Concen: 49.665 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.8	12.7	19.1

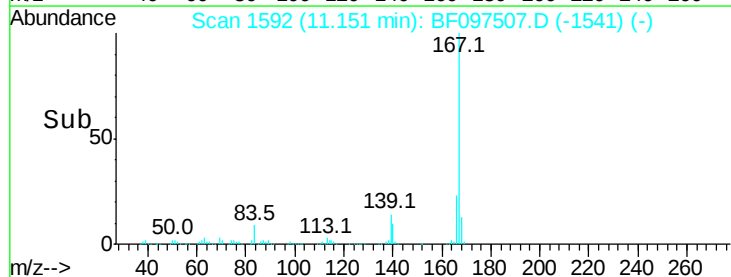
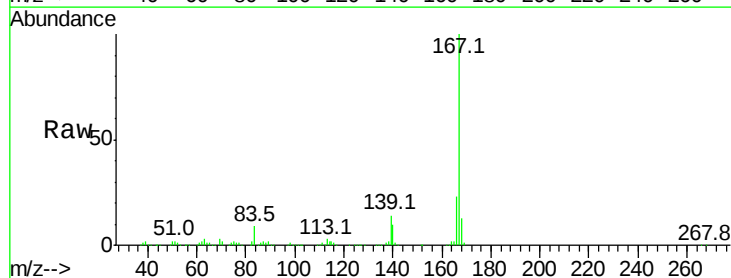
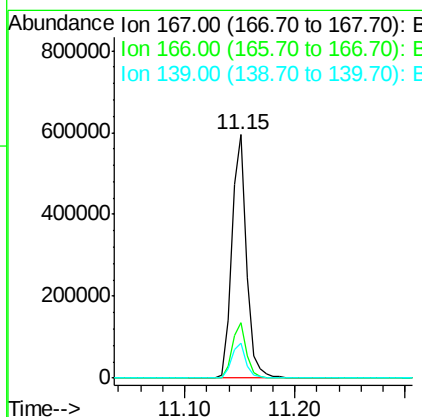
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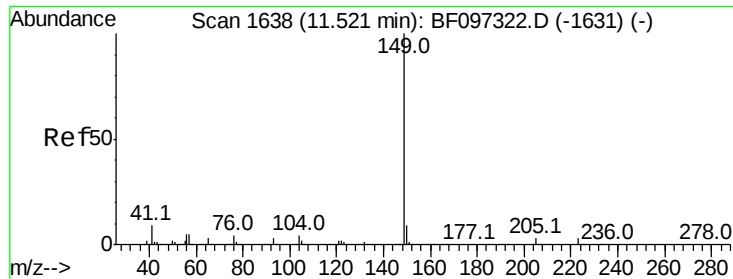
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#72
 Carbazole
 Concen: 49.161 ng
 RT: 11.15 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	14.2	11.7	17.5





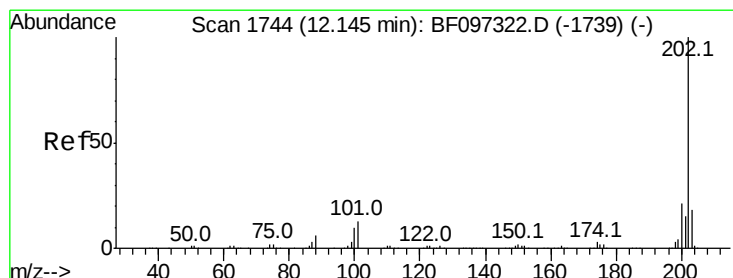
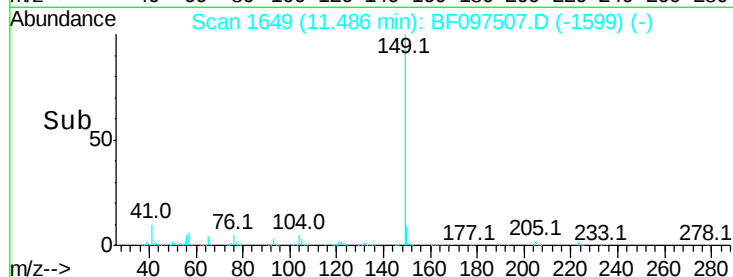
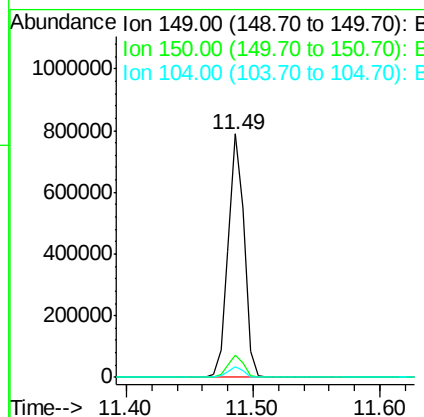
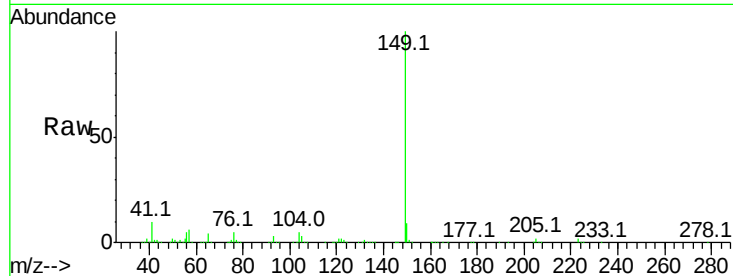
#73
Di-n-butylphthalate
Concen: 49.243 ng
RT: 11.49 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.2	7.7	11.5	
104	4.6	4.0	6.0	

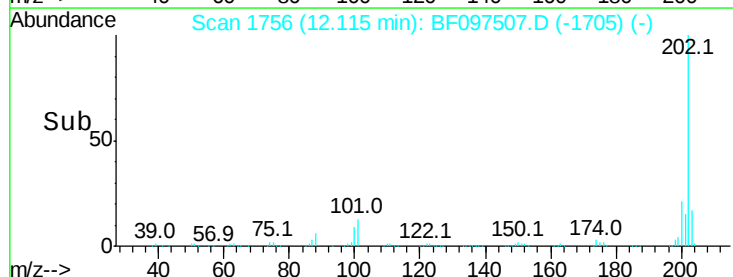
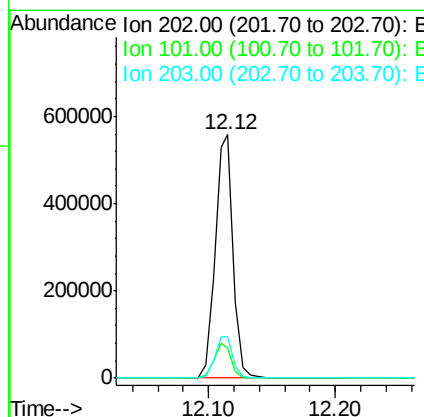
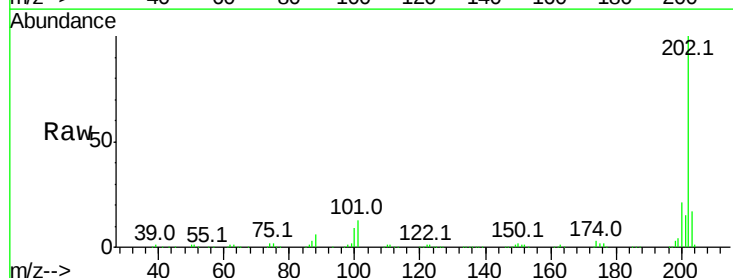
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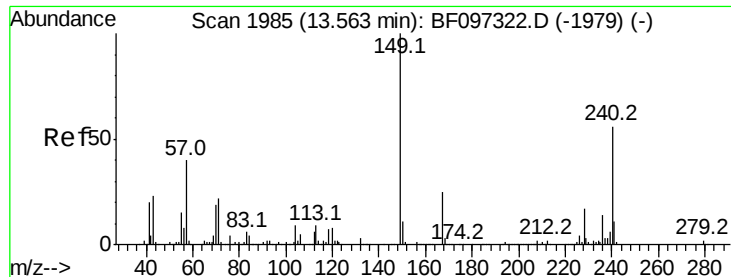
Sohil
8/9/2017 7:17:00 PM



#74
Fluoranthene
Concen: 50.099 ng
RT: 12.12 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.5	0.0	33.2	
203	16.9	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

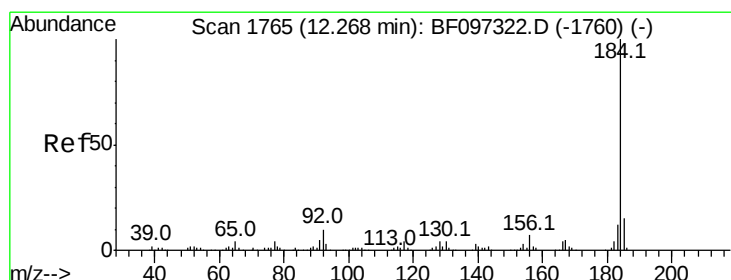
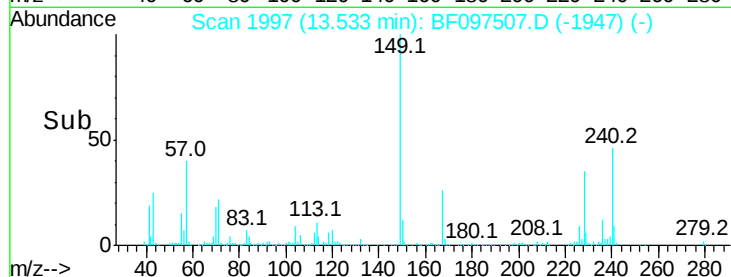
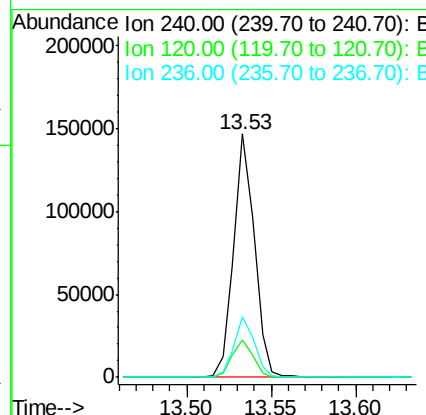
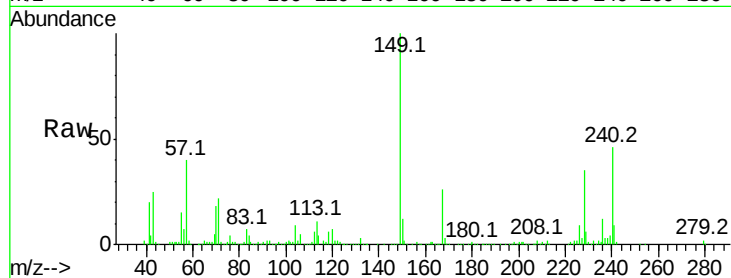
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.1	20.5	30.7

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#76

Benzidine

Concen: 61.806 ng

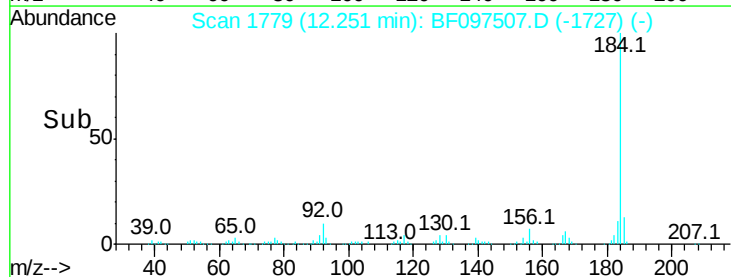
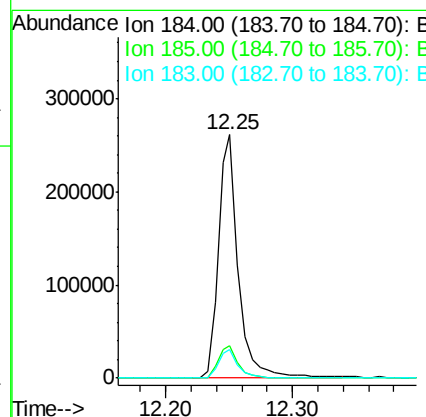
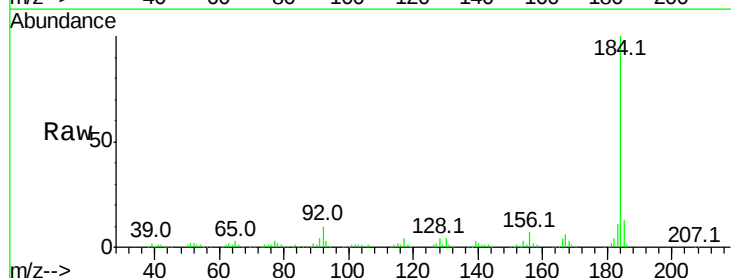
RT: 12.25 min Scan# 1779

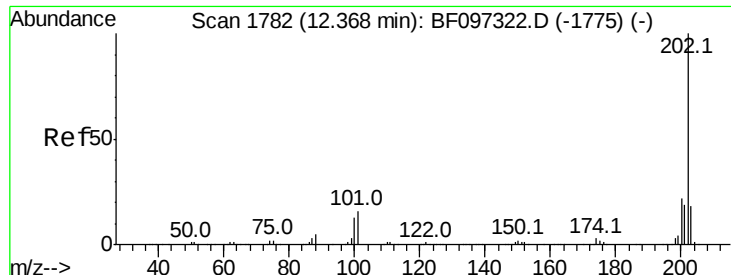
Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.5	15.5	23.3#
183	11.5	9.8	14.6





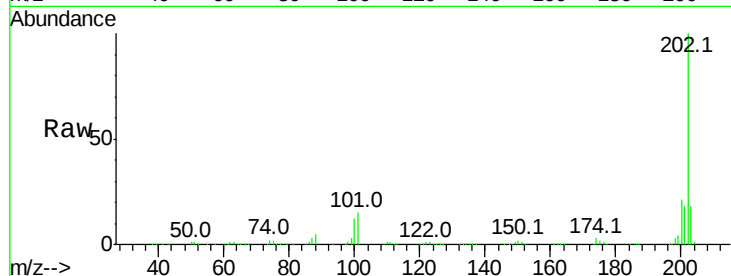
#77
Pvrene
Concen: 53.933 ng
RT: 12.34 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

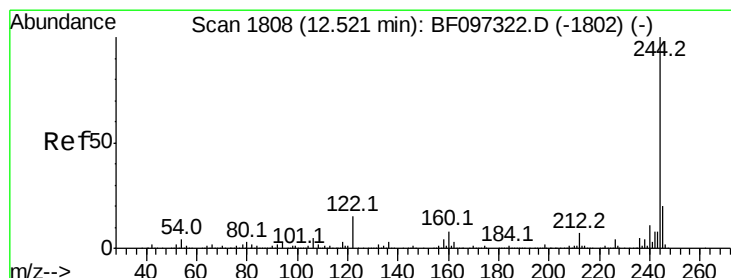
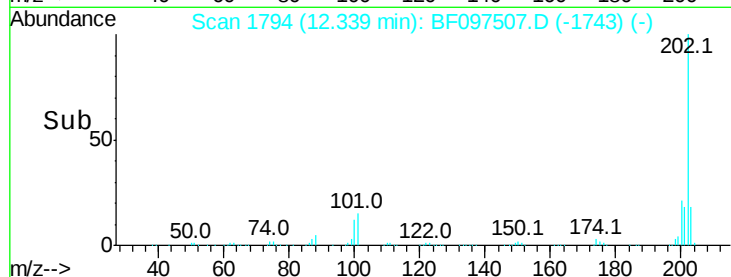
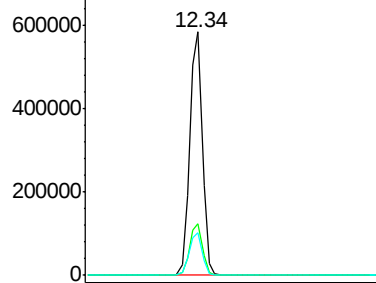
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	17.5	14.4	21.6	

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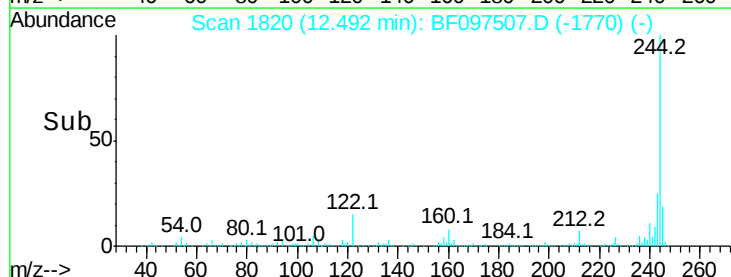
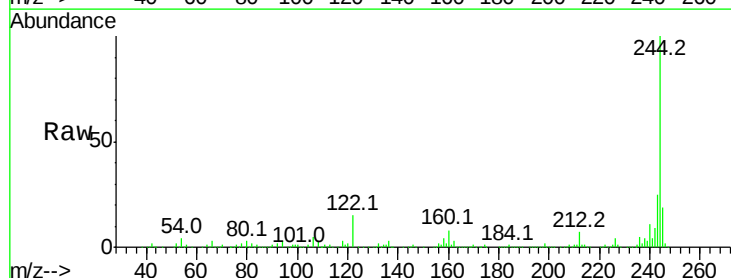
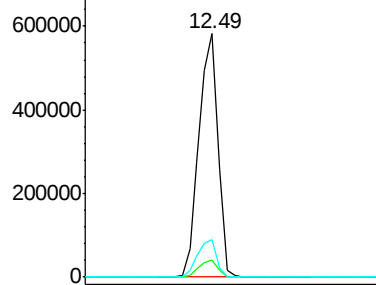
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

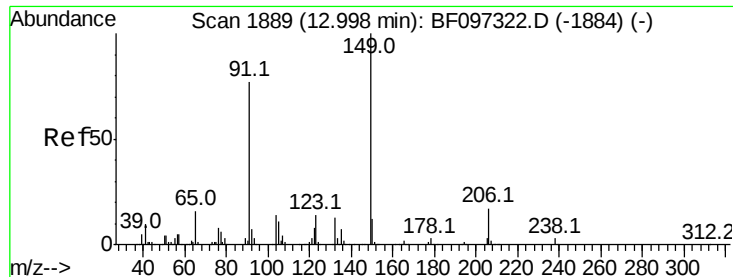


#78
Terphenyl-d14
Concen: 97.754 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.0	9.0	
122	15.2	10.3	15.5	

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





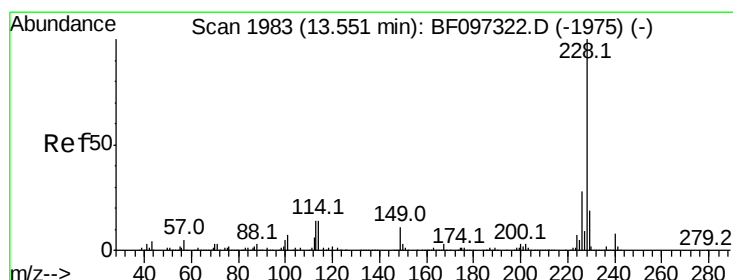
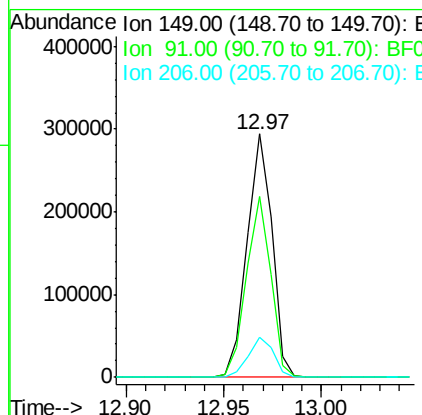
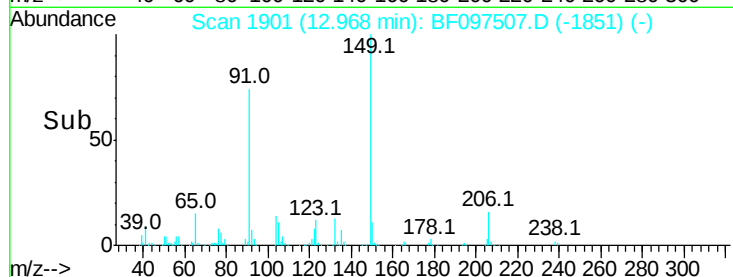
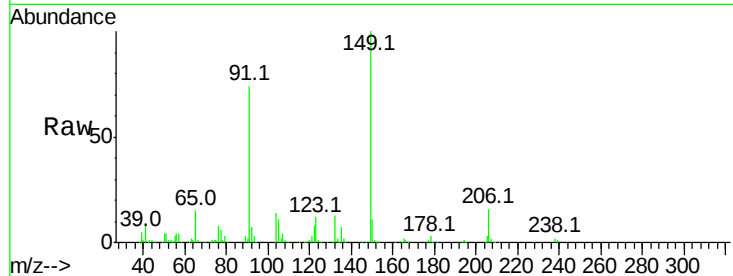
#79
Butylbenzylphthalate
Concen: 50.152 ng
RT: 12.97 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	74.5	45.0	67.4#
206	16.5	17.0	25.6#

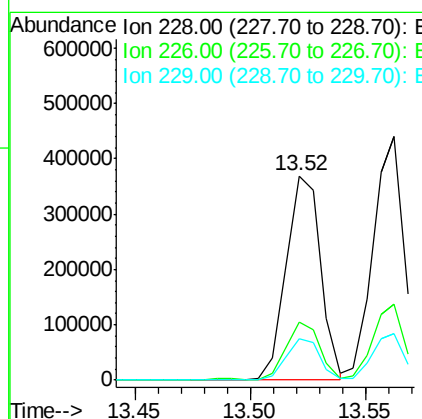
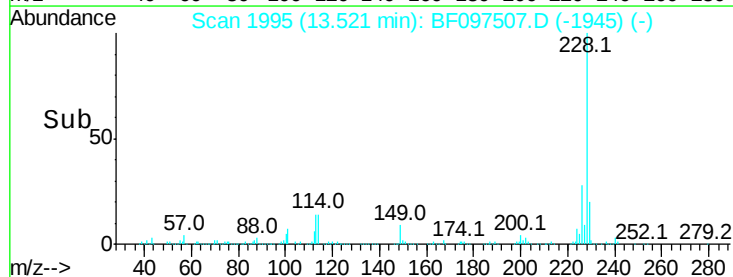
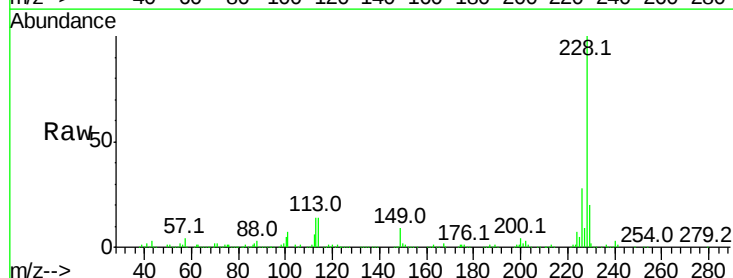
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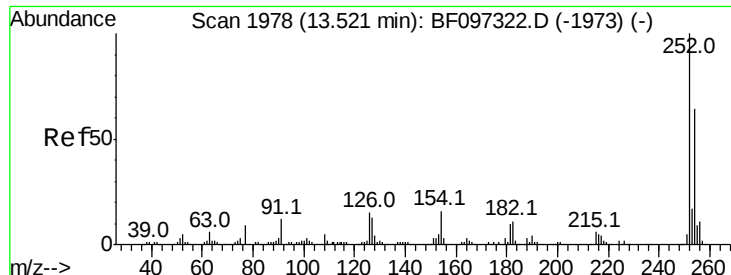
Sohil
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#80
Benzo(a)anthracene
Concen: 46.970 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.5	16.3	24.5





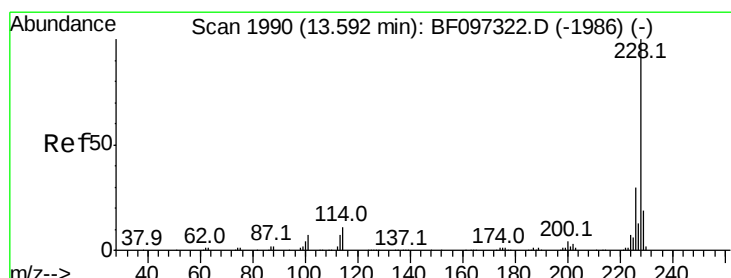
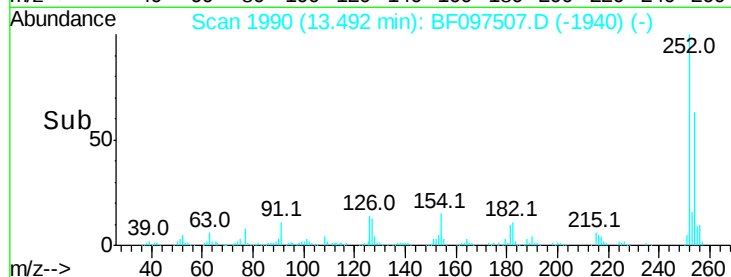
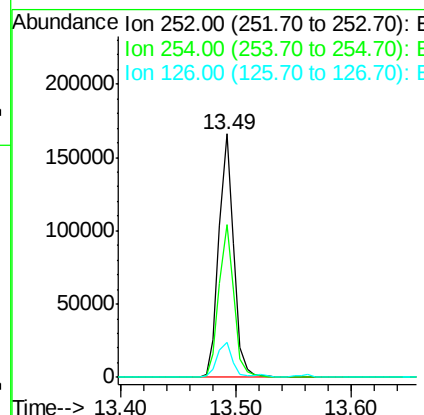
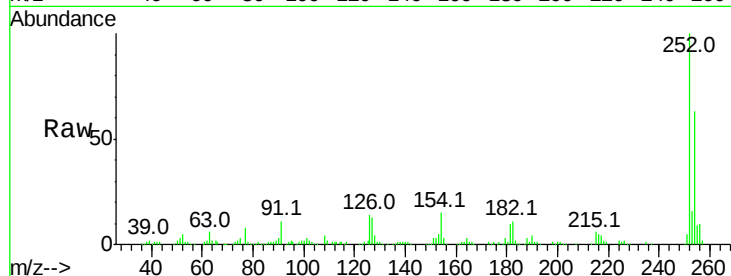
#81
 3,3'-Dichlorobenzidine
 Concen: 48.768 ng
 RT: 13.49 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	62.9	51.5	77.3	
126	14.5	15.8	23.8	

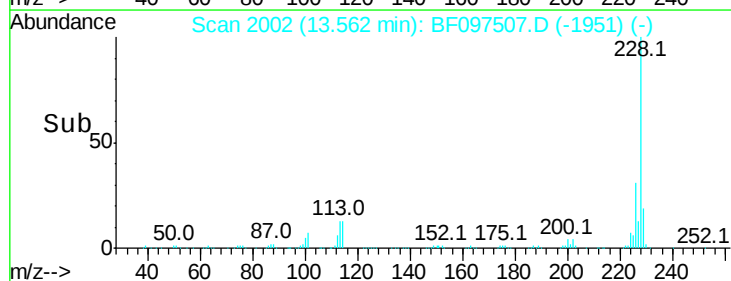
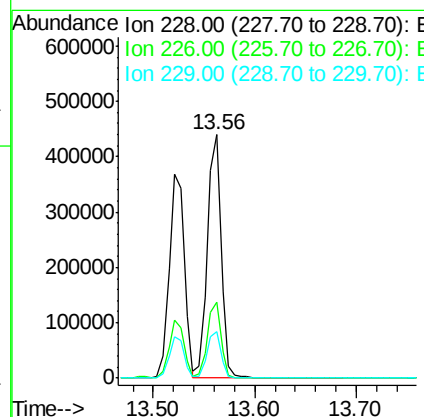
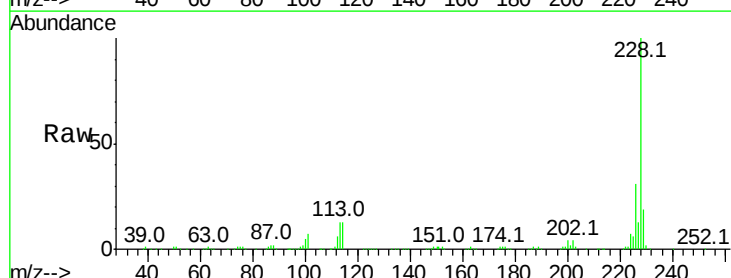
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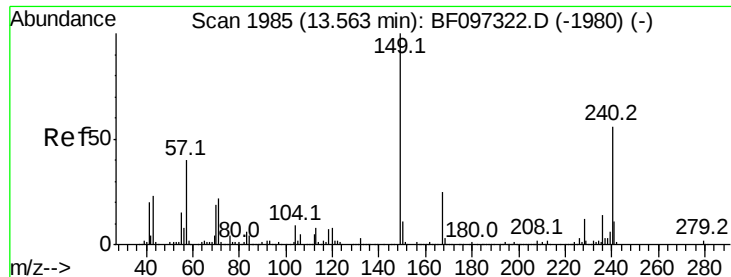
Sohil
 8/9/2017 7:17:00 PM



#82
 Chrysene
 Concen: 52.577 ng
 RT: 13.56 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.2	24.9	37.3	
229	19.0	15.8	23.6	





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.487 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

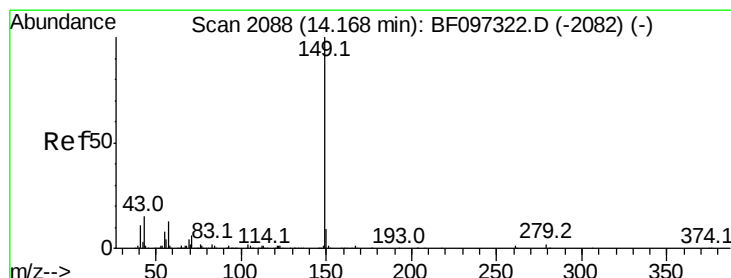
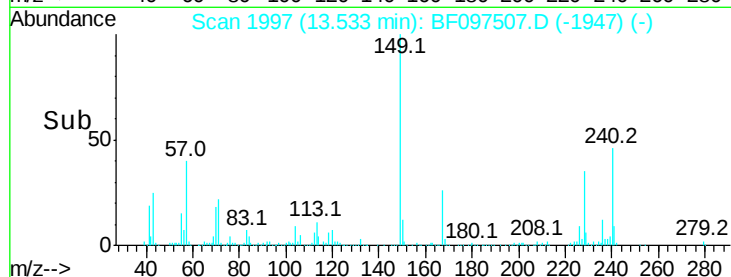
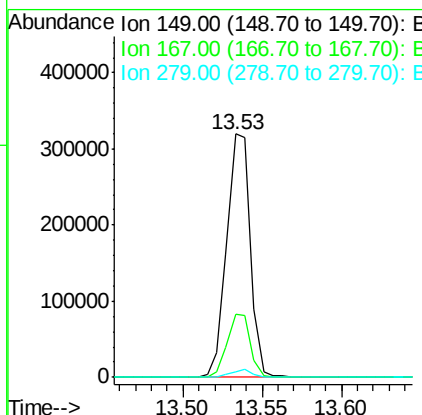
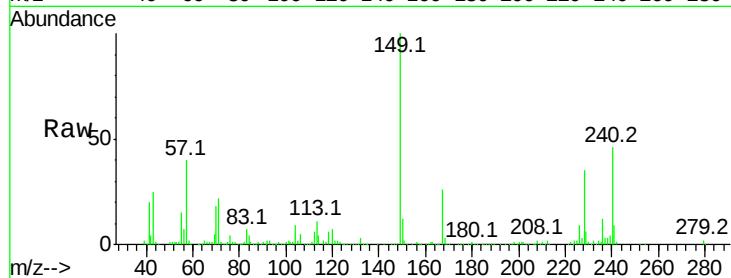
ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	149	Resp:	330748
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.0	31.4
279	2.3	1.9	2.9

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 50.031 ng

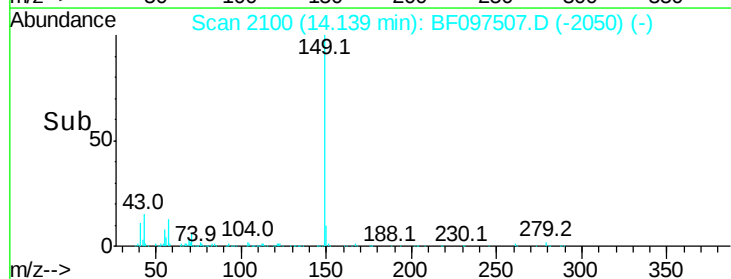
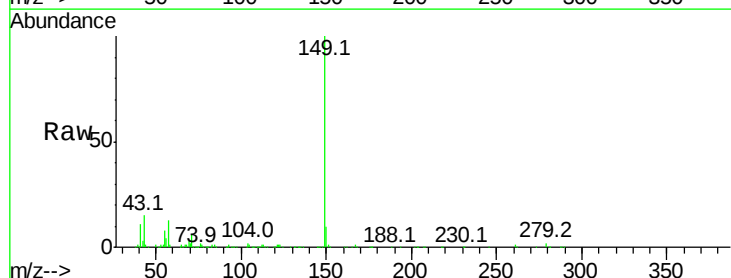
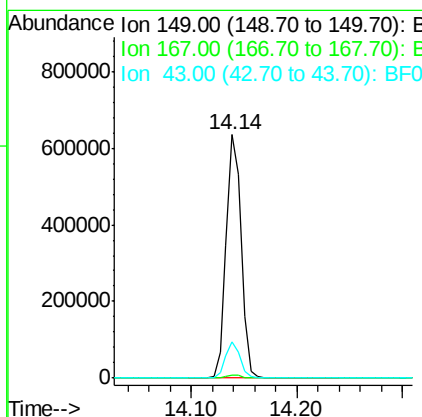
RT: 14.14 min Scan# 2100

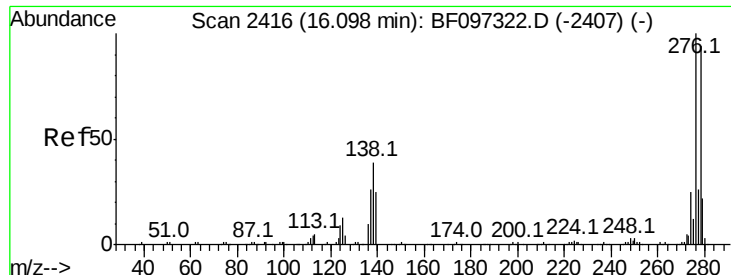
Delta R.T. -0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:	149	Resp:	626295
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	14.4	8.5	12.7#





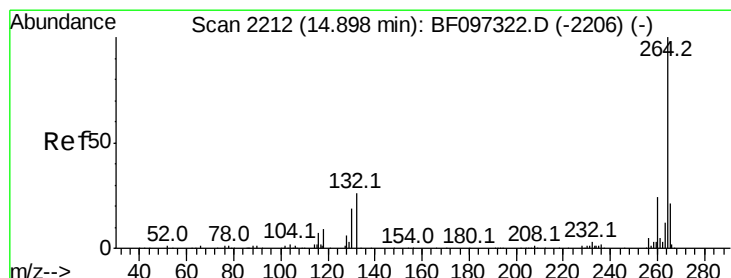
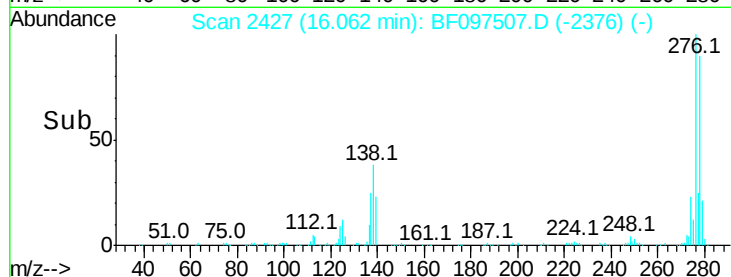
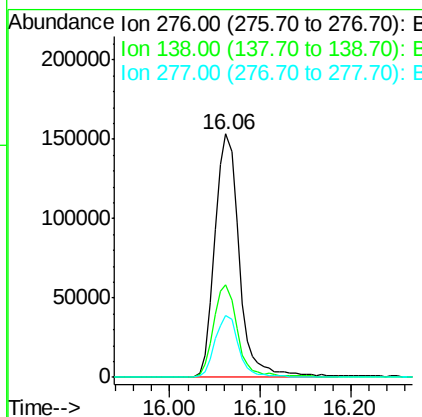
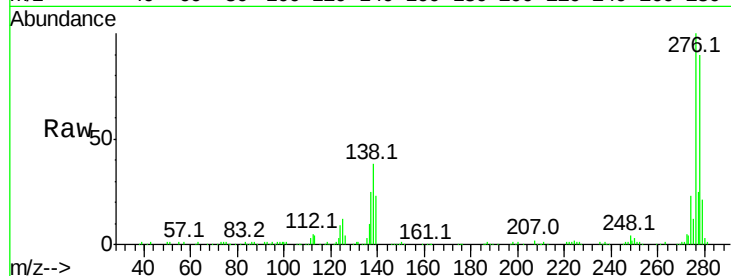
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.314 ng
 RT: 16.06 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.3	27.8	41.6
277	24.6	20.2	30.4

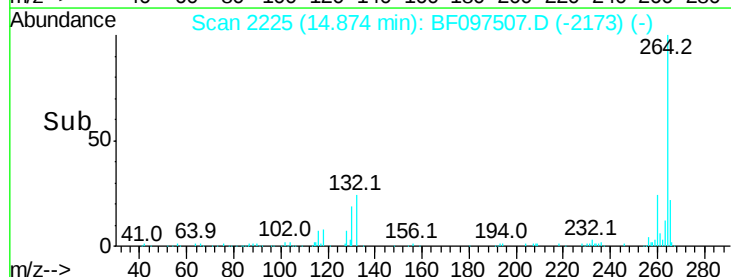
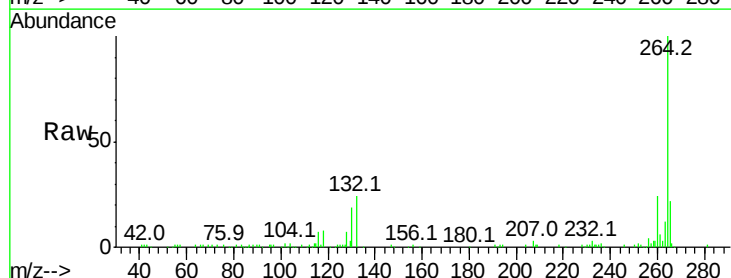
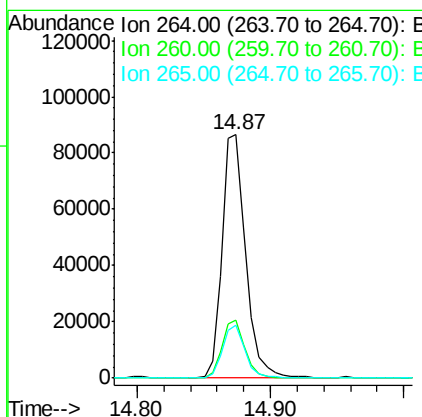
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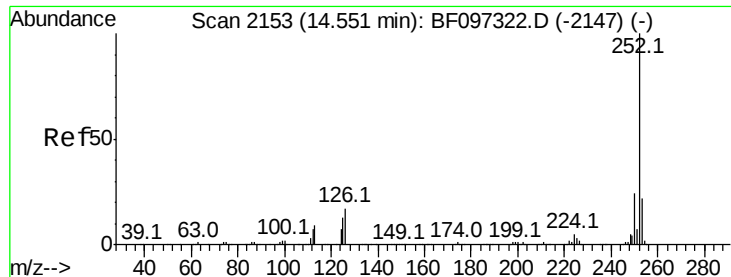
Sohil
 8/9/2017 7:17:00 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8





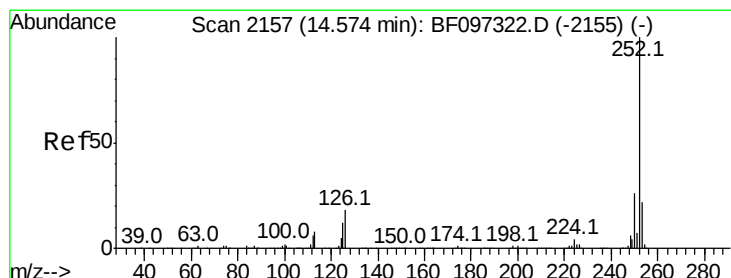
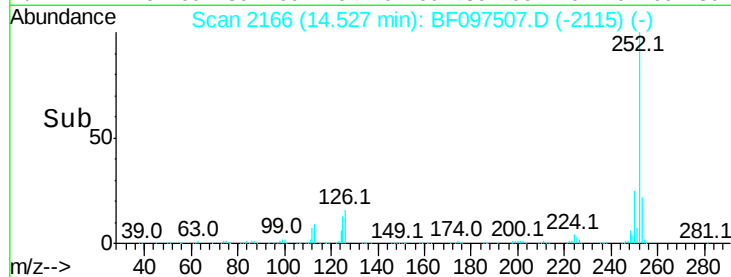
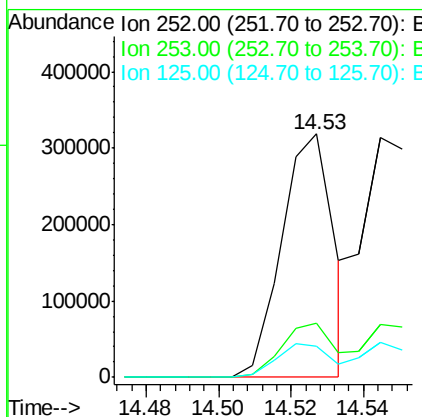
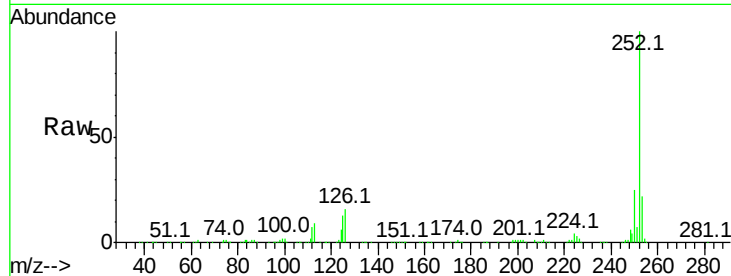
#87
Benzo(b)fluoranthene
Concen: 49.066 ng
RT: 14.53 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	12.9	9.8	14.8

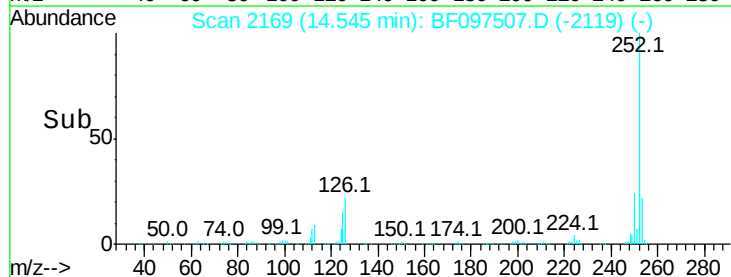
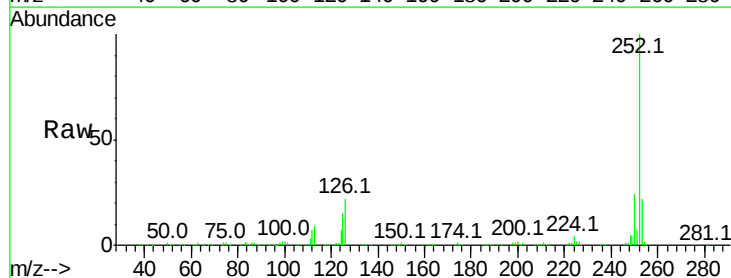
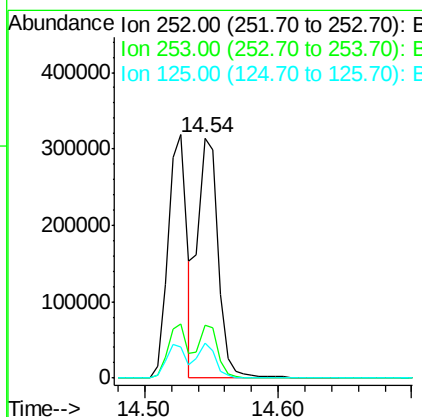
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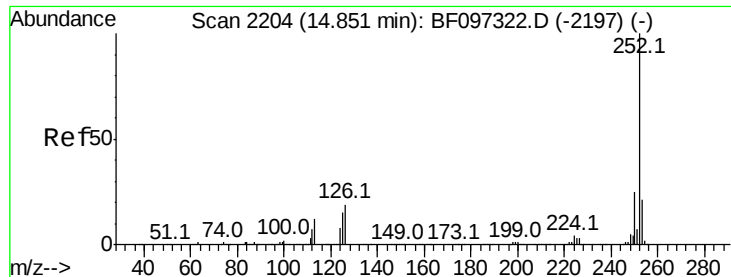
Sohil
8/9/2017 7:17:00 PM



#88
Benzo(k)fluoranthene
Concen: 53.519 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	14.8	13.1	19.7





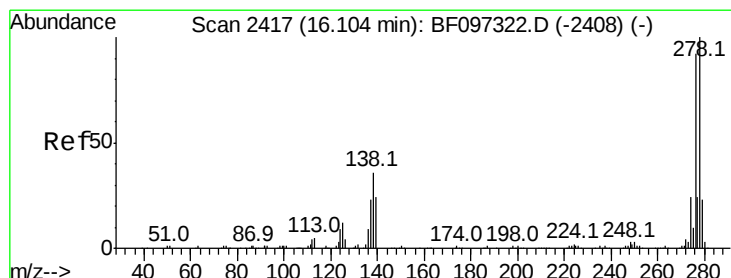
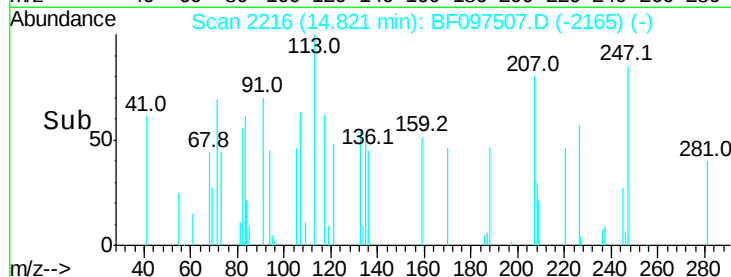
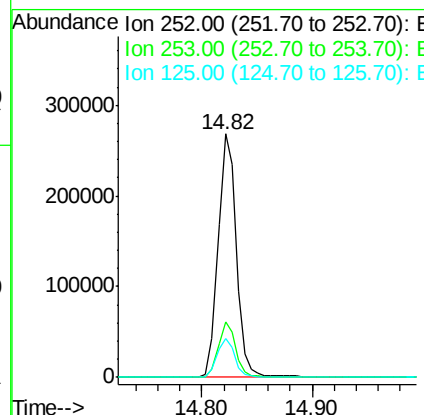
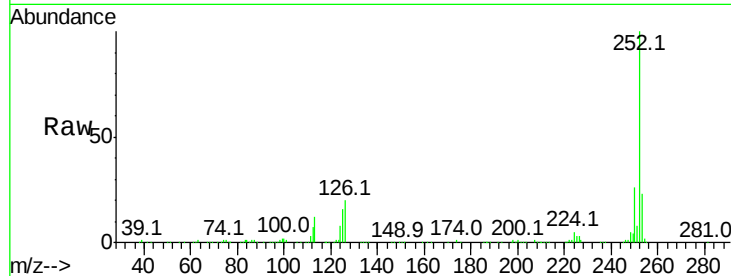
#89
Benzo(a)pyrene
Concen: 51.654 ng
RT: 14.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.6	17.5	26.3	
125	16.2	11.0	16.4	

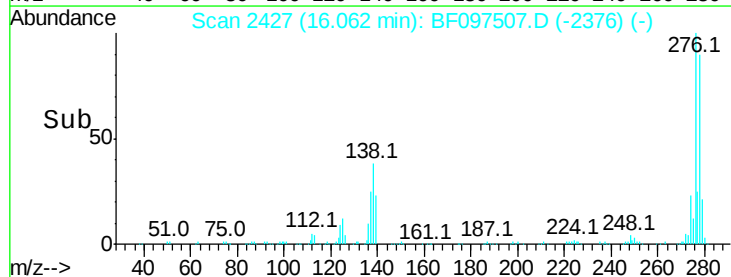
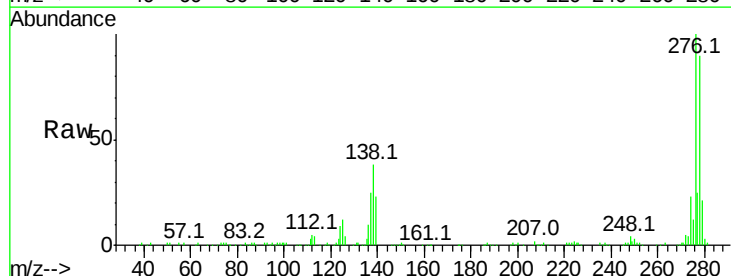
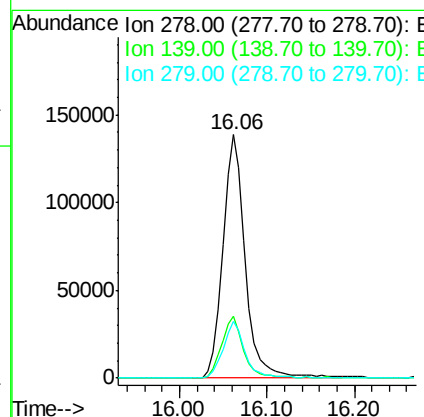
Manual Integrations
APPROVED

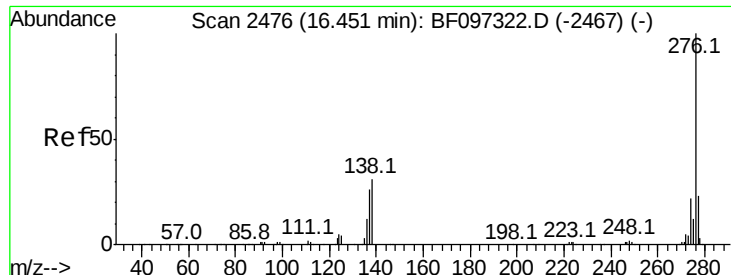
Sohil
8/9/2017 7:17:00 PM



#90
Dibenzo(a,h)anthracene
Concen: 50.394 ng
RT: 16.06 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	25.4	16.6	24.8#	
279	23.3	19.3	28.9	





#91

Benzo(a,h,i)perylene

Concen: 47.885 ng

RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:	276	Resp:	243802
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	31.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/9/2017 7:17:00 PM

