

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
 Data File : BF087674.D
 Acq On : 4 Jun 2016 19:16
 Operator : UM/SJ
 Sample : PB91070BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Manual Integrations
 APPROVED

SOHIL
 6/6/2016 7:18:33 PM

Quant Time: Jun 05 01:47:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	115618	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	487880	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	223067	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	415047	20.00	ng	0.00
75) Chrysene-d12	14.02	240	307456	20.00	ng	0.00
86) Perylene-d12	15.44	264	279900	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	662415	92.60	ng	0.01
7) Phenol-d6	6.49	99	926296	103.26	ng	0.00
23) Nitrobenzene-d5	7.43	82	564035	66.89	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	214678	95.87	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	984898	62.40	ng	-0.01
78) Terphenyl-d14	12.97	244	892205	70.81	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	90952	26.31	ng	# 22
3) Pyridine	3.28	79	280607	30.72	ng	97
4) n-Nitrosodimethylamine	3.22	42	122402	31.72	ng	98
6) Aniline	6.51	93	204855	16.11	ng	96
8) 2-Chlorophenol	6.64	128	258823	31.44	ng	100
9) Benzaldehyde	6.40	77	18993	3.13	ng	89
10) Phenol	6.50	94	361231	35.36	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	219901	29.63	ng	98
12) 1,3-Dichlorobenzene	6.80	146	280821	31.86	ng	98
13) 1,4-Dichlorobenzene	6.88	146	293447	33.18	ng	98
14) 1,2-Dichlorobenzene	7.03	146	254147m	30.66	ng	
15) Benzyl Alcohol	7.00	79	182723m	27.57	ng	
16) 2,2'-oxybis(1-Chloropropan	7.14	45	340838	31.49	ng	97
17) 2-Methylphenol	7.11	107	226957	34.34	ng	98
18) Hexachloroethane	7.37	117	101936	32.96	ng	# 82
19) n-Nitroso-di-n-propylamine	7.28	70	190012	33.91	ng	93
20) 3+4-Methylphenols	7.27	107	284090	35.08	ng	# 89
22) Acetophenone	7.27	105	338299	30.61	ng	# 83
24) Nitrobenzene	7.44	77	254126	30.11	ng	88
25) Isophorone	7.68	82	499178	32.52	ng	97
26) 2-Nitrophenol	7.76	139	135581	34.57	ng	93
27) 2,4-Dimethylphenol	7.80	122	266313	32.77	ng	100
28) bis(2-Chloroethoxy)methane	7.90	93	293232	30.11	ng	98
29) 2,4-Dichlorophenol	8.00	162	219731	32.92	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	238933	34.19	ng	99
31) Naphthalene	8.17	128	817467	34.46	ng	99
32) Benzoic acid	7.91	122	153126	31.23	ng	99
33) 4-Chloroaniline	8.22	127	114273	11.09	ng	# 94
34) Hexachlorobutadiene	8.30	225	118041	32.48	ng	99
35) Caprolactam	8.58	113	74558m	34.00	ng	
36) 4-Chloro-3-methylphenol	8.70	107	222963	32.29	ng	97
37) 2-Methylnaphthalene	8.86	142	485516	30.99	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	213235	34.69	ng	# 1
40) Hexachlorocyclopentadiene	9.02	237	233377	64.54	ng	100

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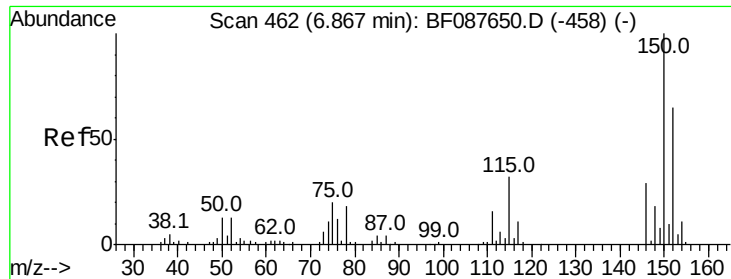
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	141438	30.46	nq	100
43) 2,4,5-Trichlorophenol	9.18	196	164025	37.96	nq	# 92
45) 1,1'-Biphenyl	9.32	154	597640	33.01	nq	99
46) 2-Chloronaphthalene	9.35	162	472834	32.81	nq	99
47) 2-Nitroaniline	9.44	65	140707	34.68	nq	97
48) Acenaphthylene	9.76	152	741083	32.98	nq	100
49) Dimethylphthalate	9.63	163	560208	34.54	nq	98
50) 2,6-Dinitrotoluene	9.69	165	127531	34.56	nq	90
51) Acenaphthene	9.93	154	513521	35.51	nq	99
52) 3-Nitroaniline	9.85	138	77837	18.44	nq	86
53) 2,4-Dinitrophenol	9.95	184	115307	69.40	nq	95
54) Dibenzofuran	10.10	168	661441	33.60	nq	# 89
55) 4-Nitrophenol	10.01	139	252626	70.04	nq	# 82
56) 2,4-Dinitrotoluene	10.09	165	185638	39.51	nq	96
57) Fluorene	10.44	166	479287	31.14	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.23	232	127913	34.37	nq	# 54
59) Diethylphthalate	10.33	149	554715	34.06	nq	99
60) 4-Chlorophenyl-phenylether	10.44	204	223666	34.39	nq	97
61) 4-Nitroaniline	10.47	138	139636	34.42	nq	91
62) Azobenzene	10.60	77	603848	36.83	nq	97
64) 4,6-Dinitro-2-methylphenol	10.49	198	85221	37.40	nq	88
65) n-Nitrosodiphenylamine	10.56	169	445088	32.74	nq	100
66) 4-Bromophenyl-phenylether	10.94	248	145720	35.41	nq	93
67) Hexachlorobenzene	10.99	284	149967	32.59	nq	96
68) Atrazine	11.08	200	125730	31.22	nq	91
69) Pentachlorophenol	11.19	266	192796	70.50	nq	99
70) Phenanthrene	11.40	178	704111	31.29	nq	100
71) Anthracene	11.46	178	803106	35.62	nq	99
72) Carbazole	11.61	167	714357	33.47	nq	100
73) Di-n-butylphthalate	11.95	149	872968	38.15	nq	99
74) Fluoranthene	12.59	202	795308	35.91	nq	98
76) Benzidine	12.71	184	190234	15.69	nq	99
77) Pyrene	12.82	202	830508	37.93	nq	100
79) Butylbenzylphthalate	13.45	149	361298	38.78	nq	99
80) Benzo(a)anthracene	14.01	228	632975	35.67	nq	99
81) 3,3'-Dichlorobenzidine	13.97	252	99950	19.97	nq	# 94
82) Chrysene	14.05	228	669699	37.92	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	434473	39.18	nq	# 99
84) Di-n-octyl phthalate	14.62	149	762462	36.99	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.83	276	527599	36.14	nq	# 100
87) Benzo(b)fluoranthene	15.03	252	671144m	36.86	nq	
88) Benzo(k)fluoranthene	15.06	252	462796m	30.55	nq	
89) Benzo(a)pyrene	15.38	252	525074	34.31	nq	99
90) Dibenzo(a,h)anthracene	16.86	278	441093	33.87	nq	98
91) Benzo(g,h,i)perylene	17.26	276	442442	33.67	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

ClientSampleId :

PB91070BS

Tot Ion:152 Resp: 115618

Ion Ratio Lower Upper

152 100

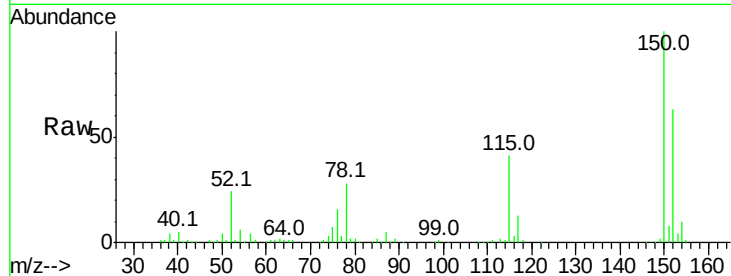
150 158.2 123.8 185.6

115 64.5 39.6 59.4#

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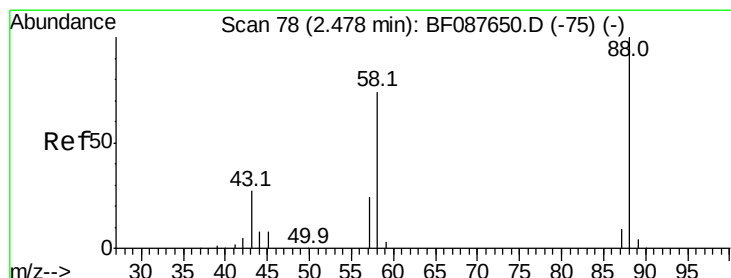
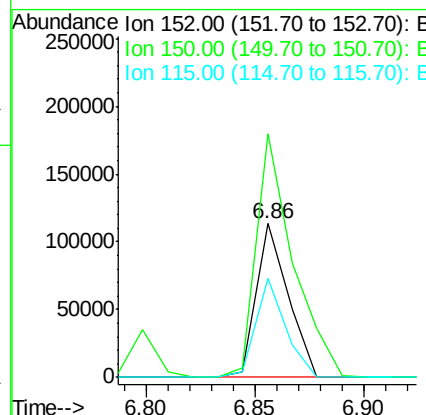
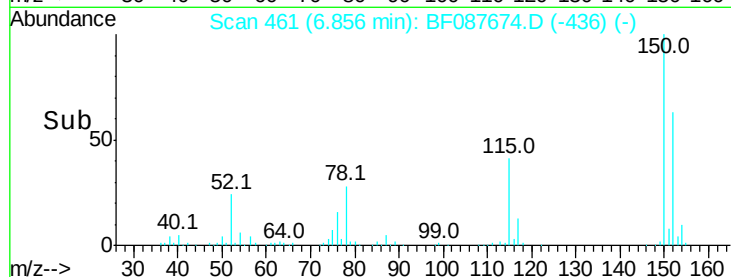
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 26.31 ng

RT: 2.57 min Scan# 86

Delta R.T. 0.09 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

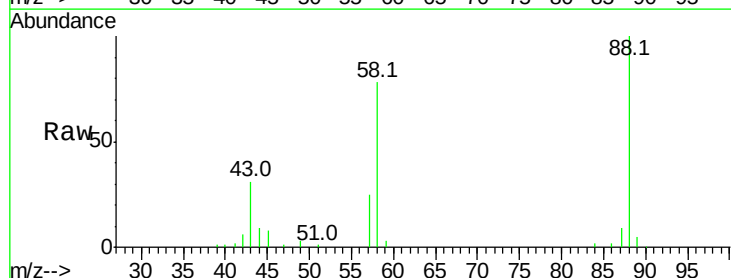
Tgt Ion: 88 Resp: 90952

Ion Ratio Lower Upper

88 100

58 76.7 0.0 0.0#

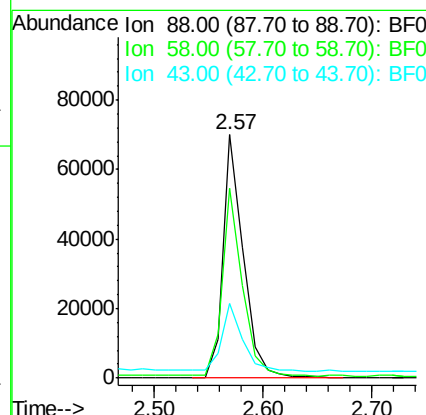
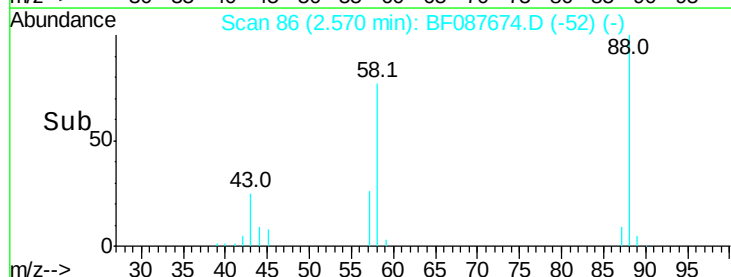
43 30.1 3.4 5.2#

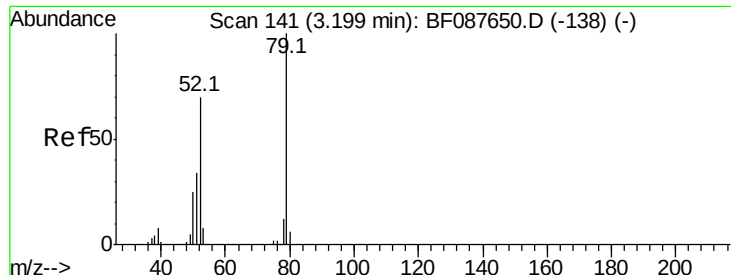


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





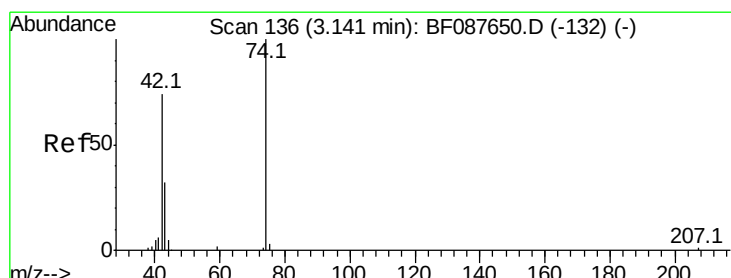
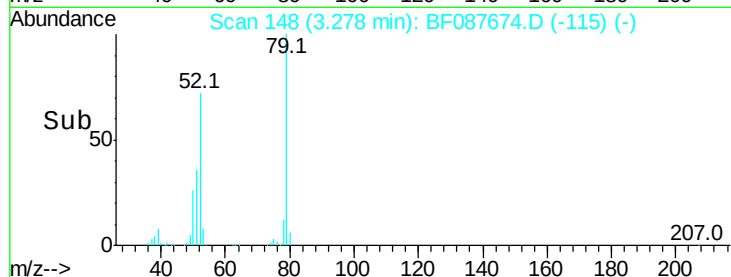
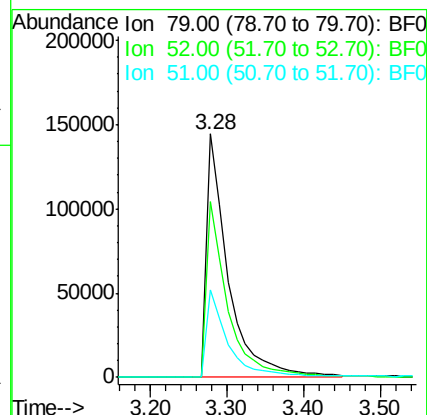
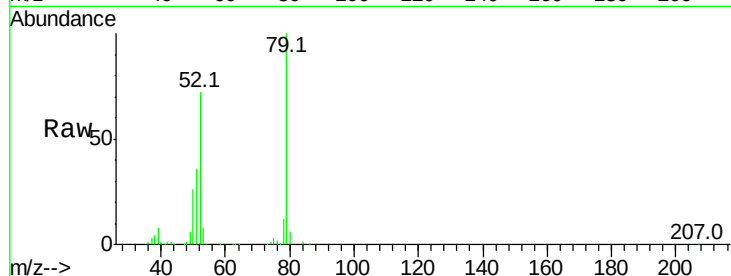
#3
 Pvridine
 Concen: 30.72 ng
 RT: 3.28 min Scan# 148
 Delta R.T. 0.08 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	72.5	56.3	84.5
51	36.0	27.4	41.2

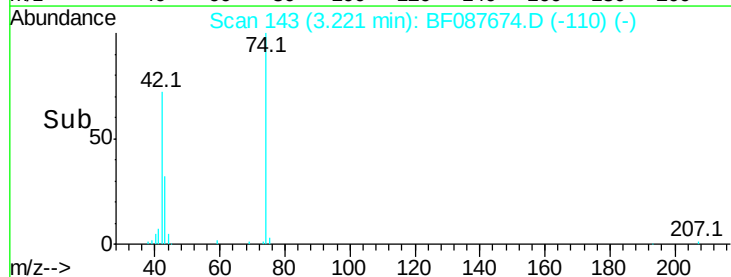
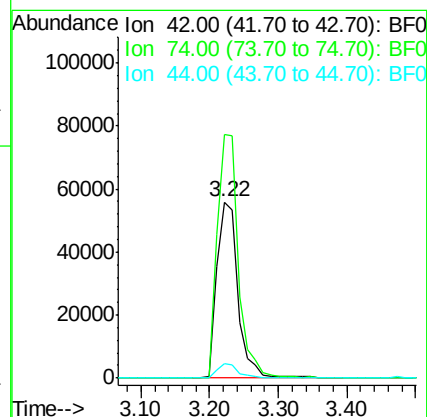
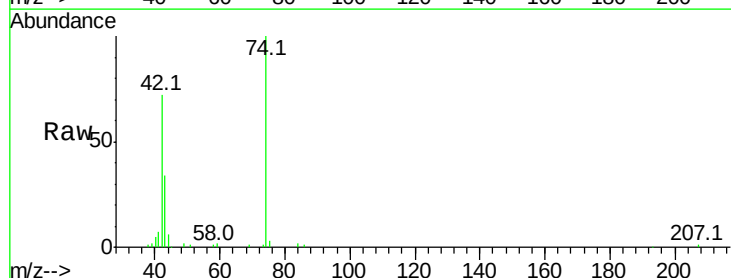
Manual Integrations
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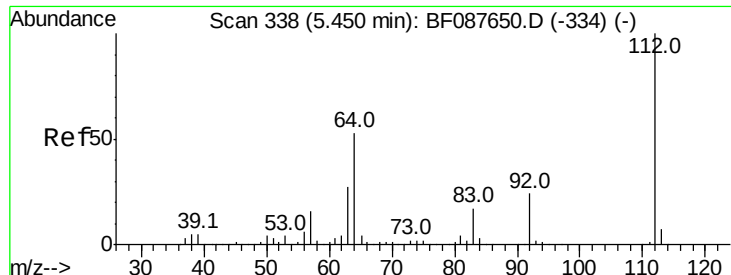
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#4
 n-Nitrosodimethylamine
 Concen: 31.72 ng
 RT: 3.22 min Scan# 143
 Delta R.T. 0.08 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.3	108.6	163.0
44	7.9	5.5	8.3





#5

2-Fluorophenol

Concen: 92.60 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

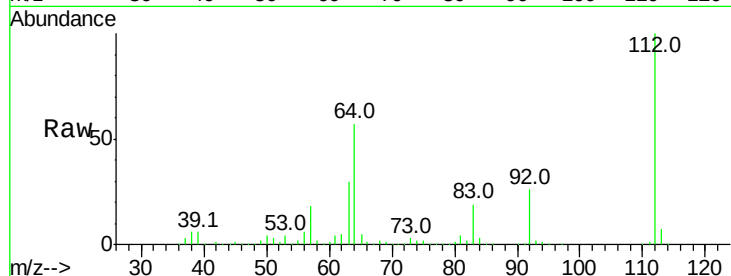
ClientSampleId :

PB91070BS

Tot Ion:	112	Resp:	662415
Ion Ratio	Lower	Upper	
112	100		
64	57.2	42.2	63.2
63	29.8	21.8	32.8

Manual Integrations
APPROVED

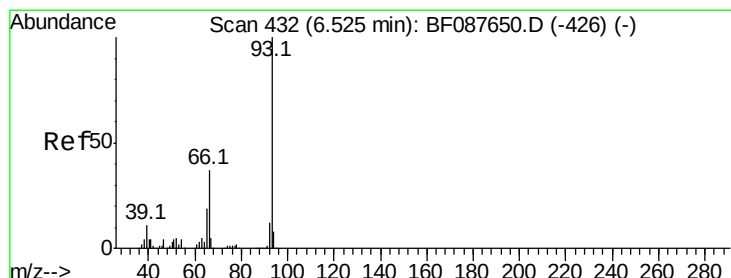
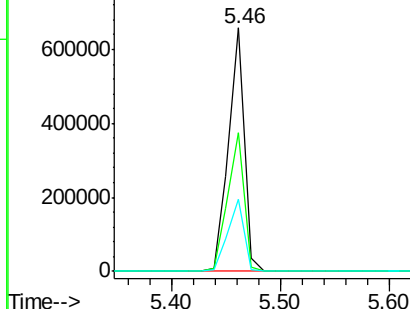
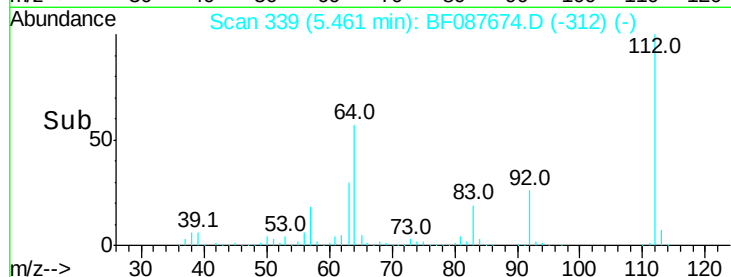
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 16.11 ng

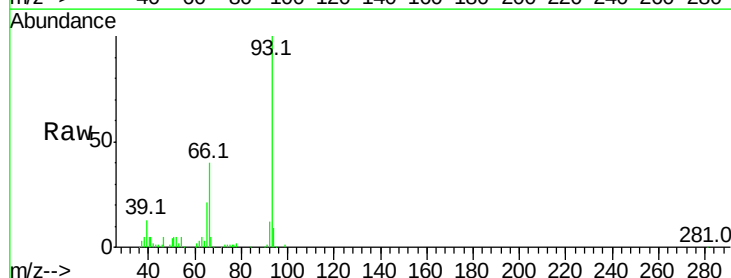
RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

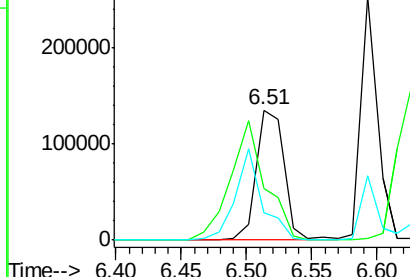
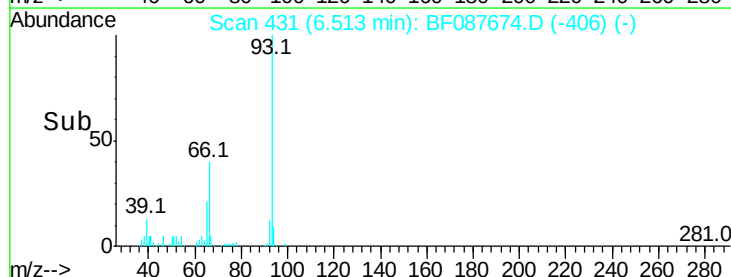
Tgt Ion:	93	Resp:	204855
Ion Ratio	Lower	Upper	
93	100		
66	39.7	29.8	44.8
65	20.8	14.9	22.3

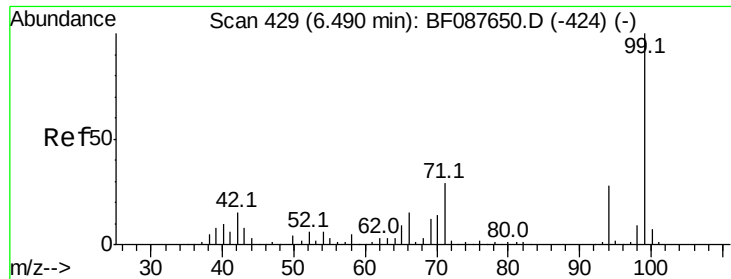


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 103.26 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

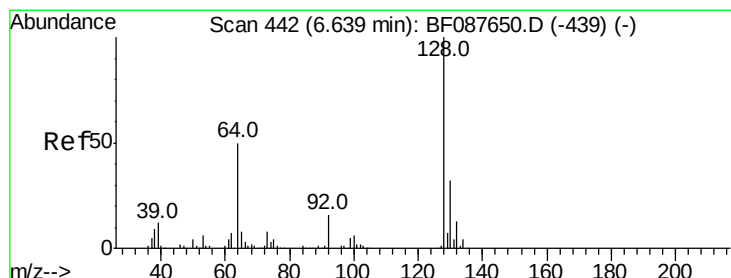
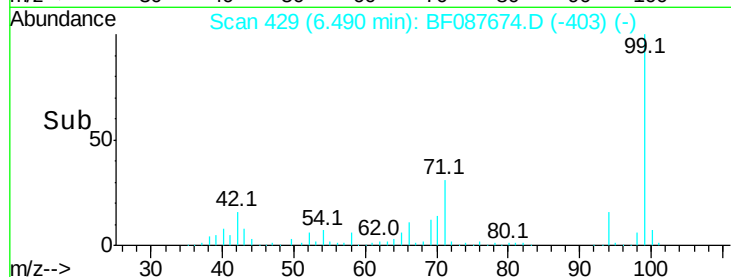
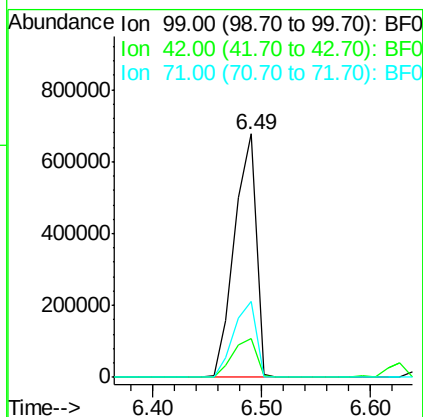
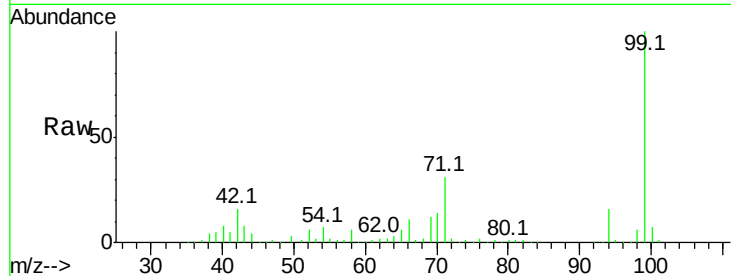
ClientSampleId :

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Tot Ion:	99	Resp:	926296
Ion Ratio	Lower	Upper	
99	100		
42	15.9	12.2	18.2
71	31.0	23.4	35.0

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#8

2-Chlorophenol

Concen: 31.44 ng

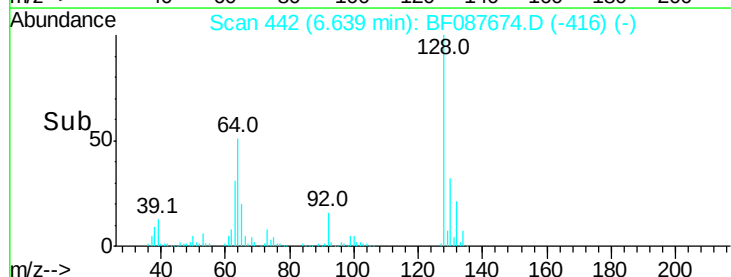
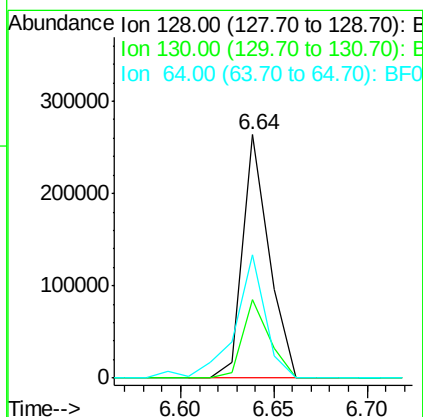
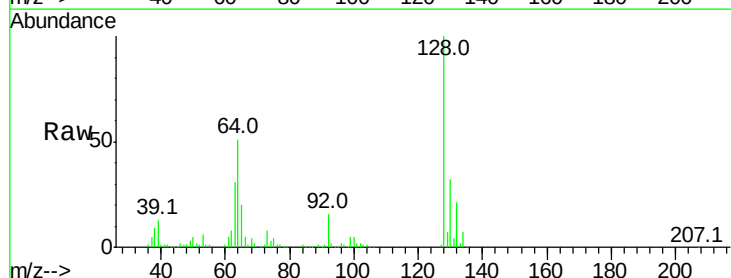
RT: 6.64 min Scan# 442

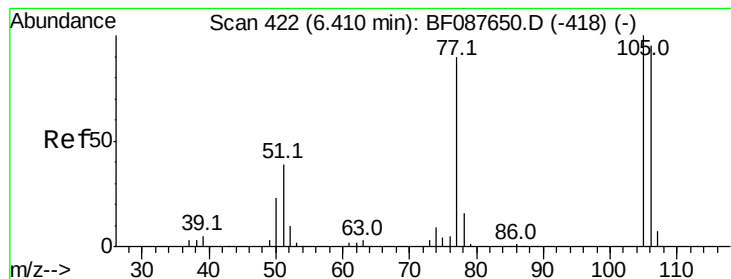
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	128	Resp:	258823
Ion Ratio	Lower	Upper	
128	100		
130	32.1	12.0	52.0
64	50.8	30.8	70.8





#9

Benzaldehyde

Concen: 3.13 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

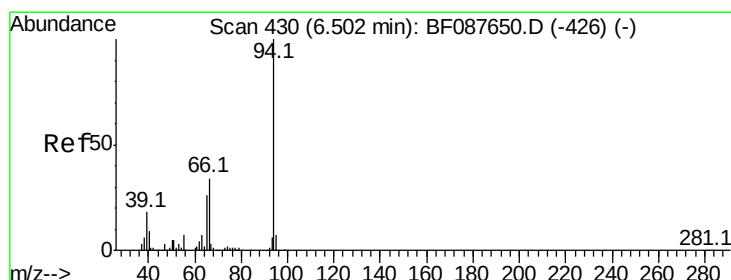
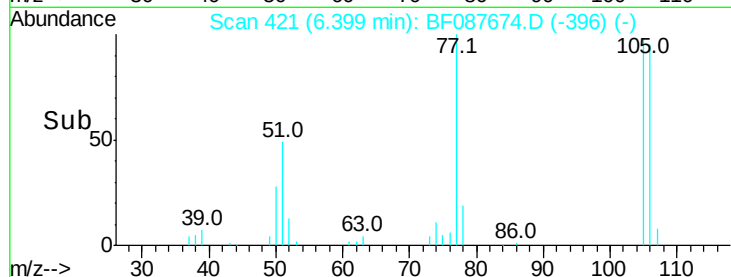
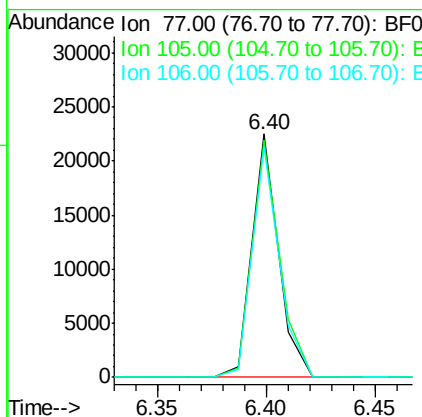
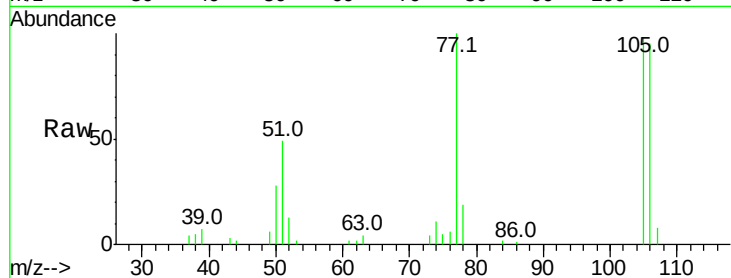
ClientSampleId :

PB91070BS

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Tot Ion:	77	Resp:	18993
Ion	Ratio	Lower	Upper
77	100		
105	97.7	90.6	130.6
106	94.6	85.3	125.3



#10

Phenol

Concen: 35.36 ng

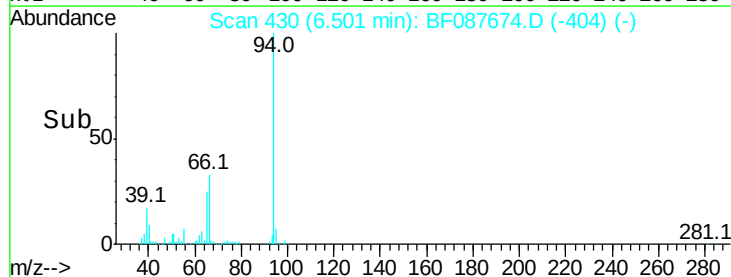
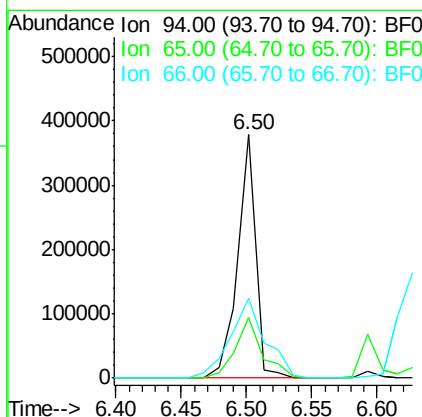
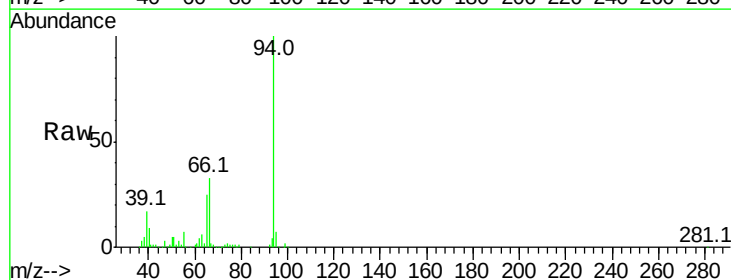
RT: 6.50 min Scan# 430

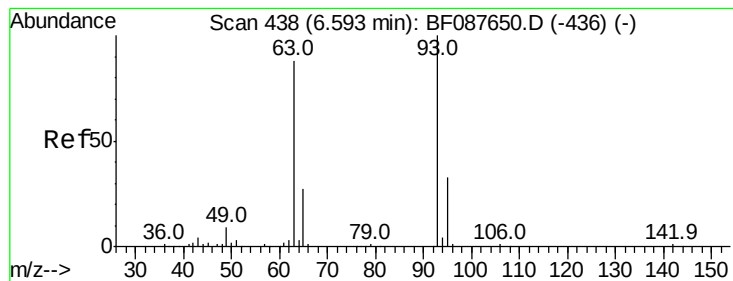
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	94	Resp:	361231
Ion	Ratio	Lower	Upper
94	100		
65	25.1	5.9	45.9
66	32.7	14.0	54.0





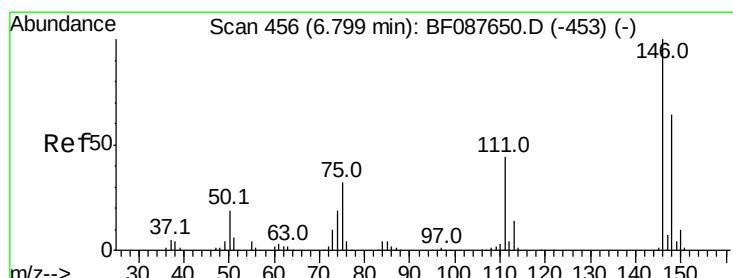
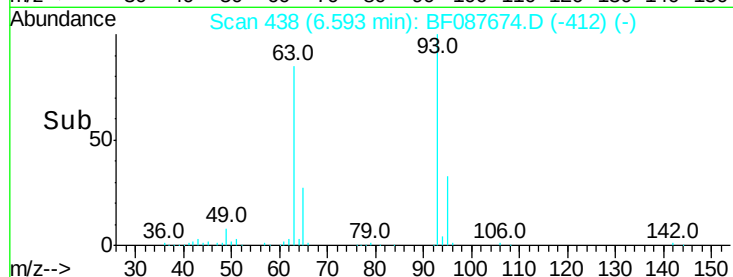
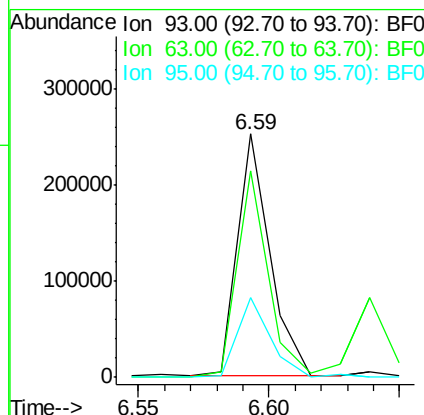
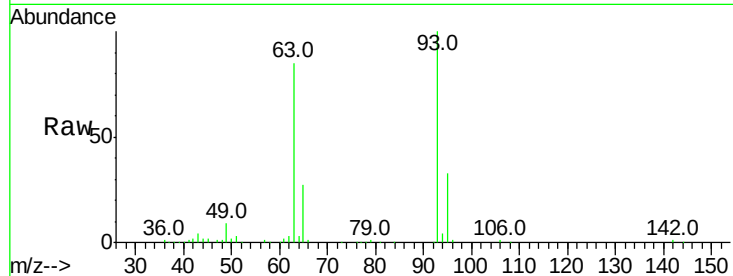
#11
bis(2-Chloroethyl)ether
Concen: 29.63 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	219901		
63	84.9		67.6	107.6
95	32.6		12.5	52.5

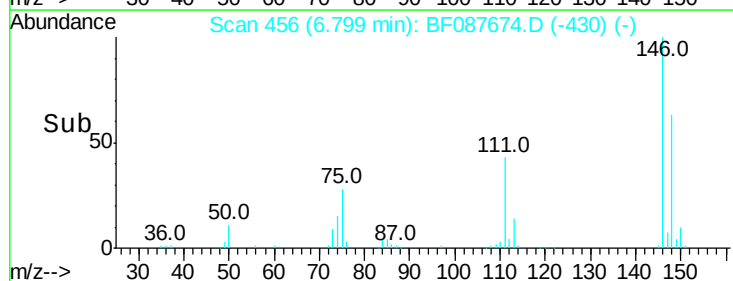
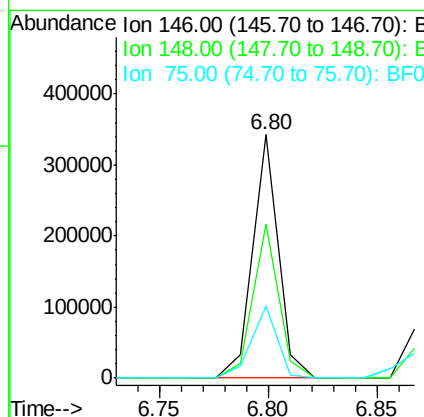
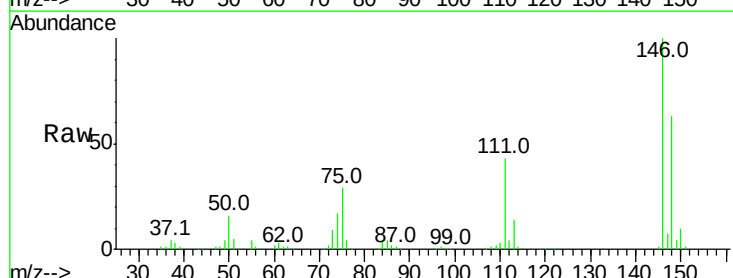
Manual Integrations
APPROVED

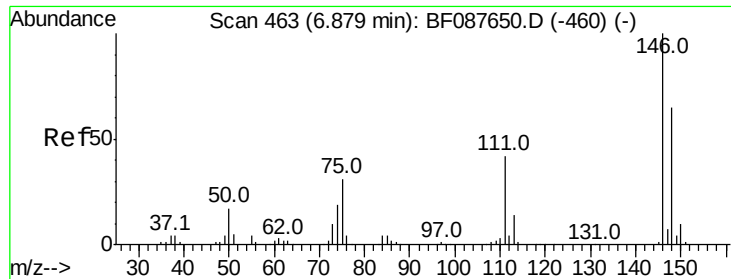
SOHIL
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#12
1,3-Dichlorobenzene
Concen: 31.86 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280821		
148	63.3		50.9	76.3
75	29.5		25.6	38.4





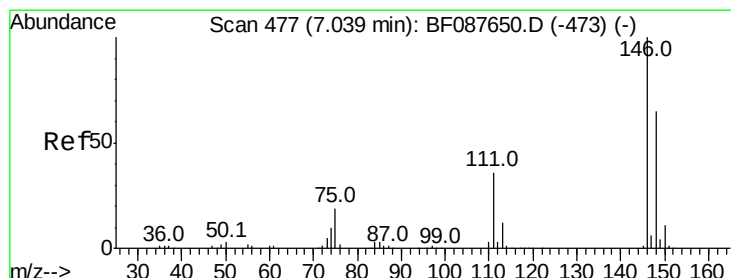
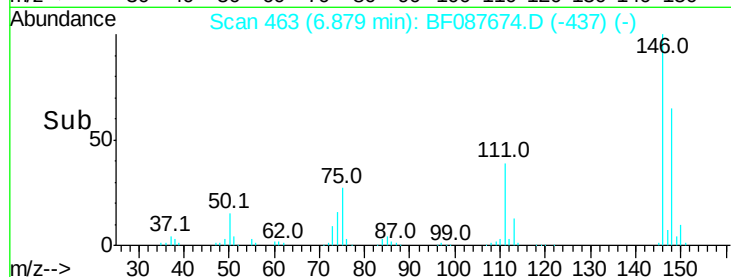
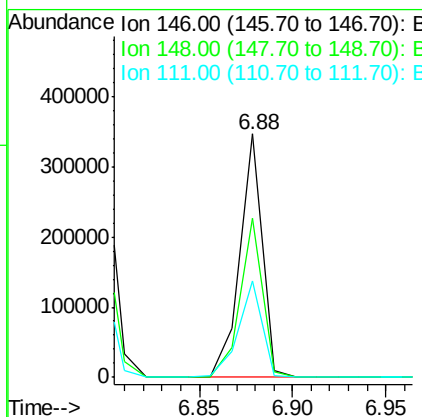
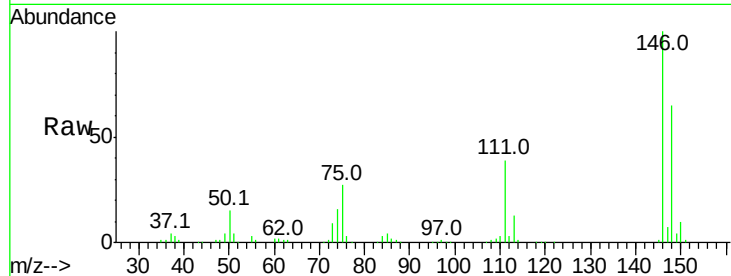
#13
 1,4-Dichlorobenzene
 Concen: 33.18 ng
 RT: 6.88 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.0	78.0
111	39.4	33.8	50.8

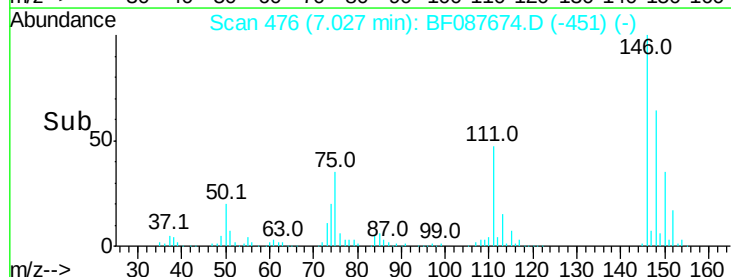
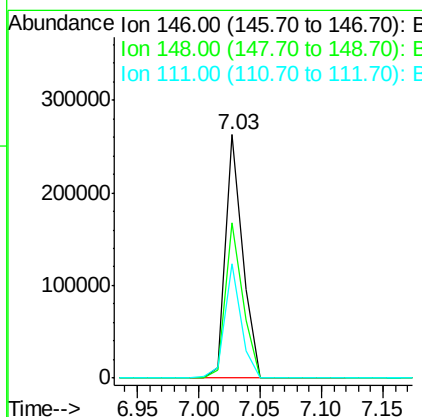
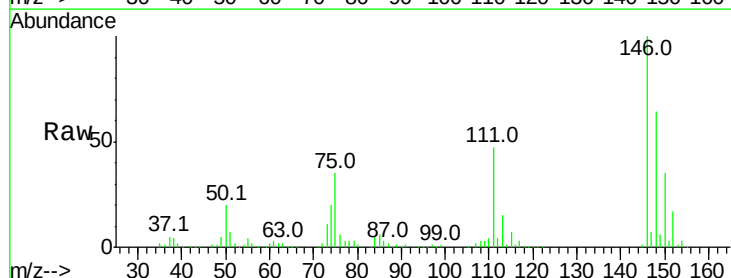
Manual Integrations
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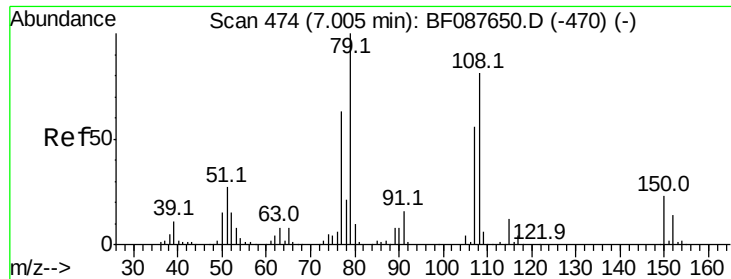
SOHIL
 6/6/2016 7:18:33 PM



#14
 1,2-Dichlorobenzene
 Concen: 30.66 ng m
 RT: 7.03 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.3	78.5
111	47.2	28.7	43.1#





#15

Benzyl Alcohol

Concen: 27.57 ng/mL

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

ClientSampleID :

PB91070BS

Tot Ion: 79 Resp: 182723

Ion Ratio Lower Upper

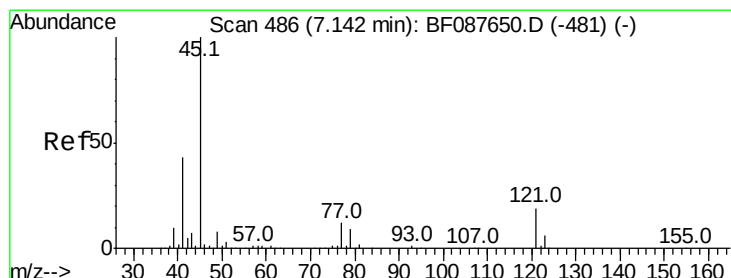
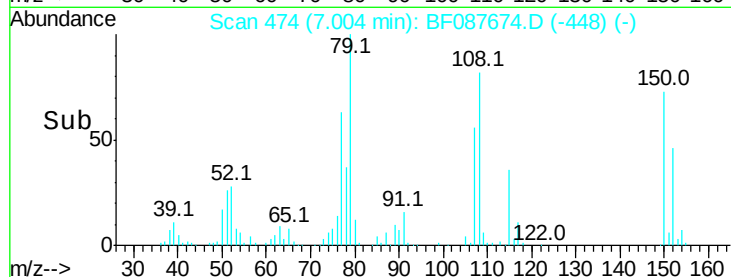
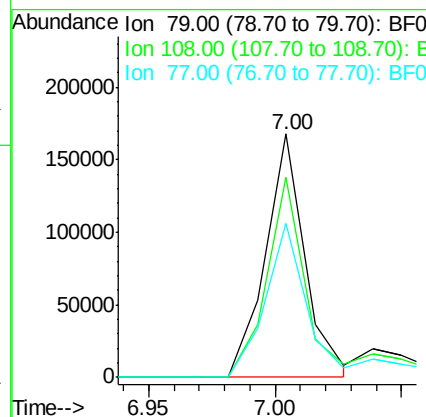
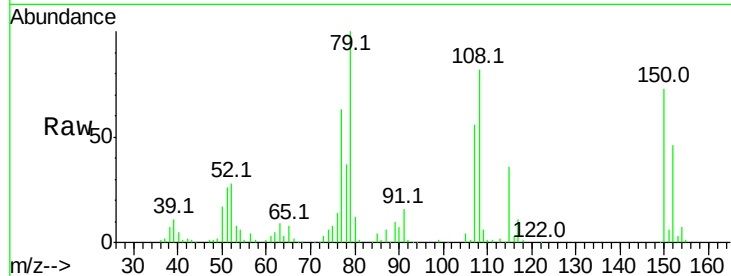
79 100

108 81.9 65.0 97.6

77 63.2 50.3 75.5

Manual Integrations
APPROVED

SOHIL
6/6/2016 7:18:33 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 31.49 ng/mL

RT: 7.14 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

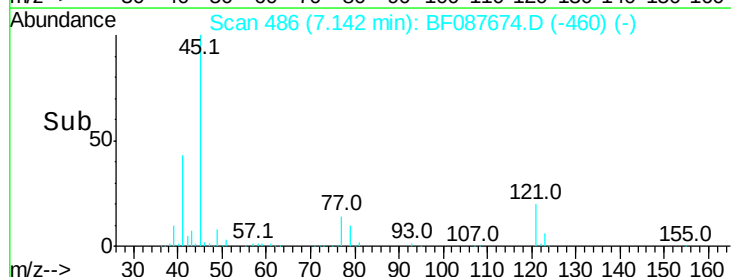
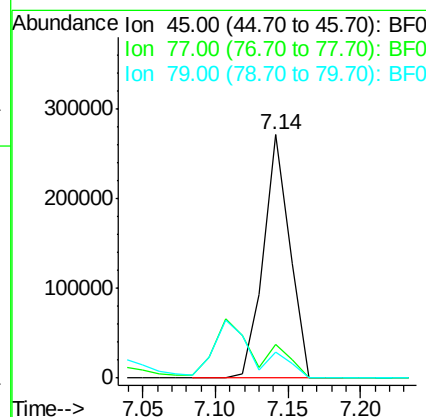
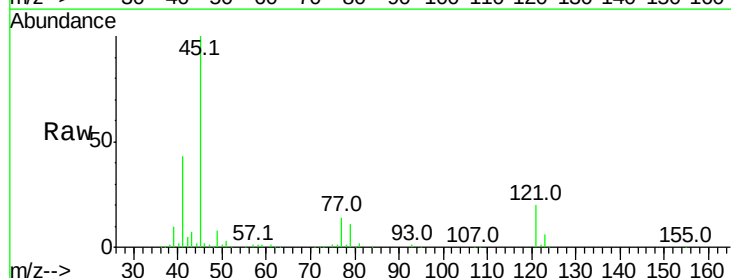
Tgt Ion: 45 Resp: 340838

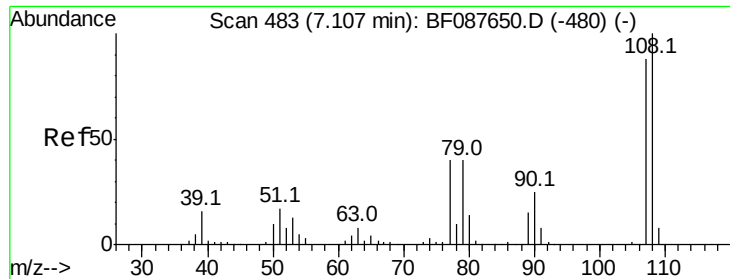
Ion Ratio Lower Upper

45 100

77 13.6 0.0 32.5

79 10.5 0.0 29.5





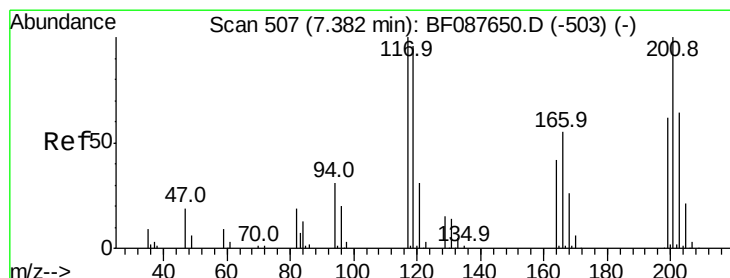
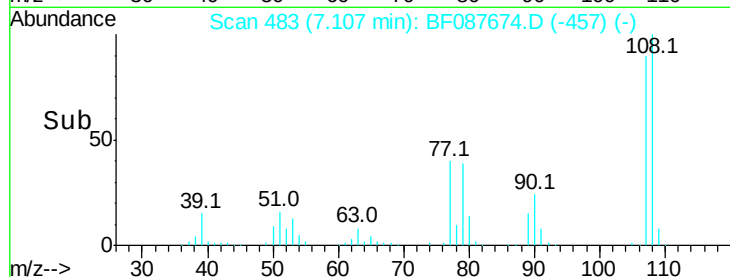
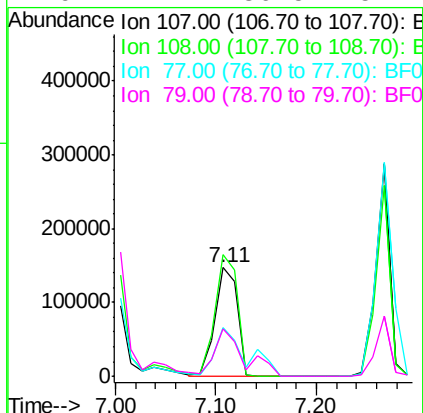
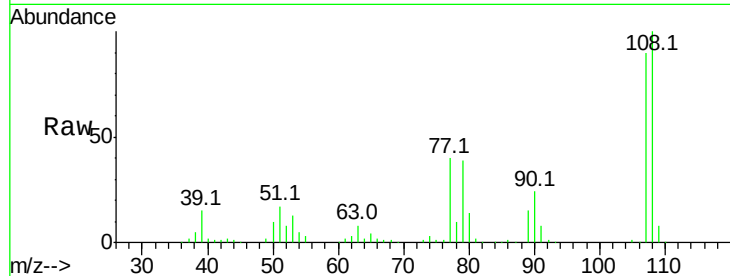
#17
2-Methylphenol
Concen: 34.34 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampled :
PB91070BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	226957		
108	108	111.7	90.9	136.3	
77	77	44.4	36.6	55.0	
79	79	44.1	36.5	54.7	

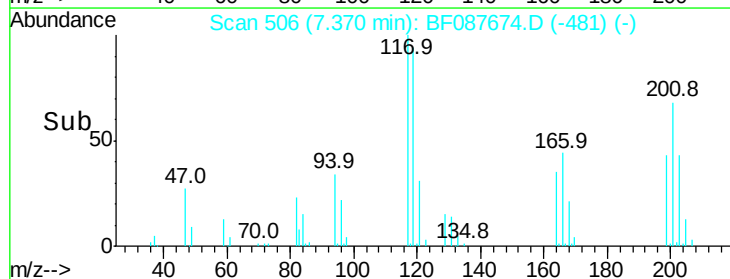
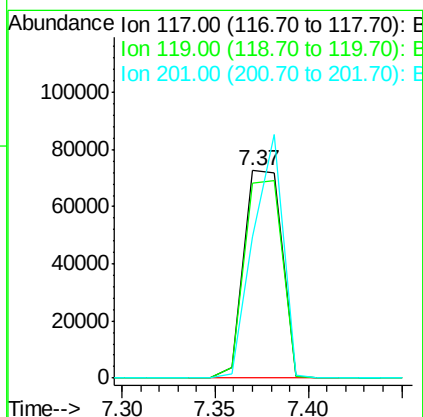
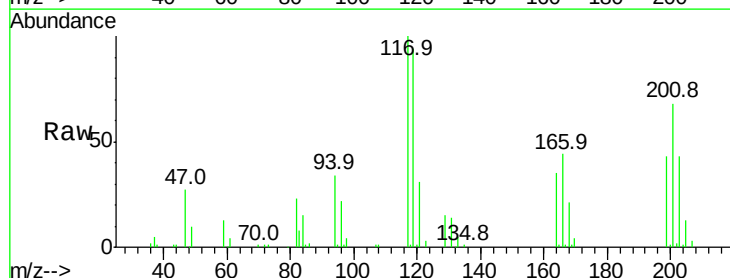
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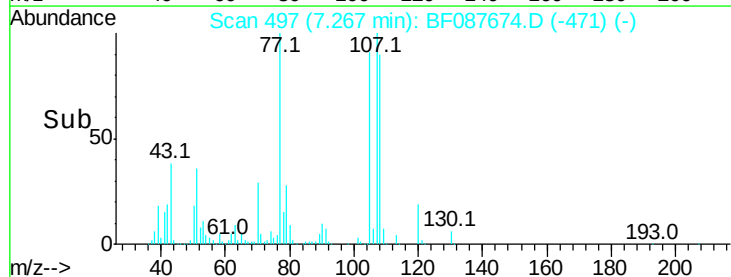
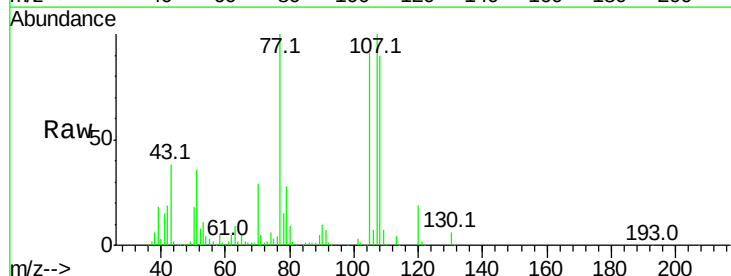
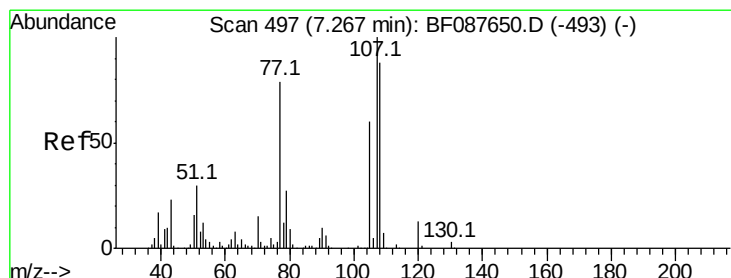
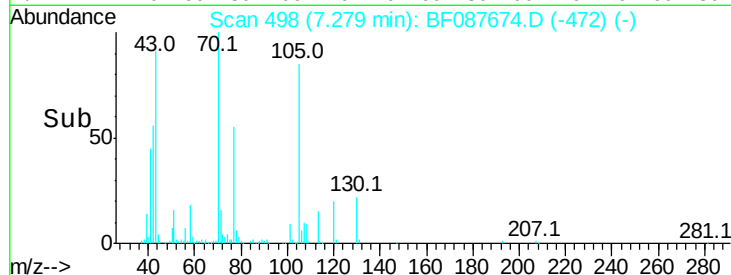
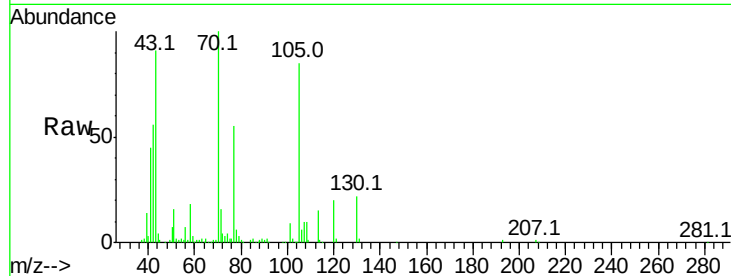
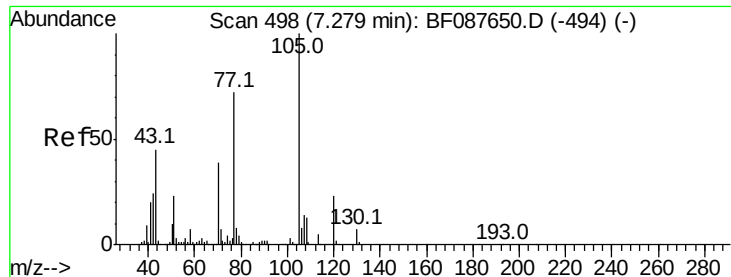
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#18
Hexachloroethane
Concen: 32.96 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	101936		
119	119	94.3	77.4	116.2	
201	201	68.2	80.4	120.6	





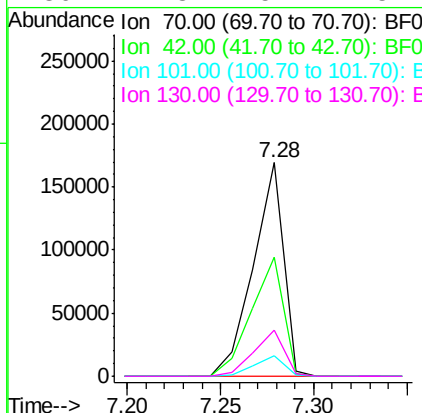
#19
n-Nitroso-di-n-propylamine
Concen: 33.91 ng
RT: 7.28 min Scan# 498
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.5	49.6	74.4	
101	9.5	7.1	10.7	
130	21.8	15.4	23.2	

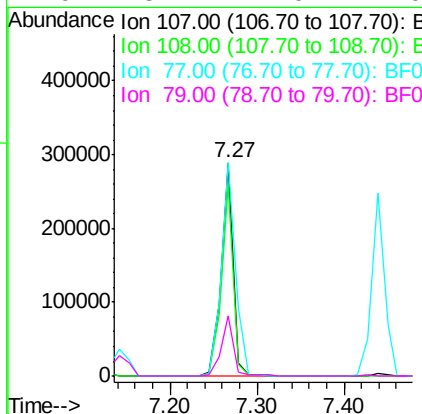
Manual Integrations
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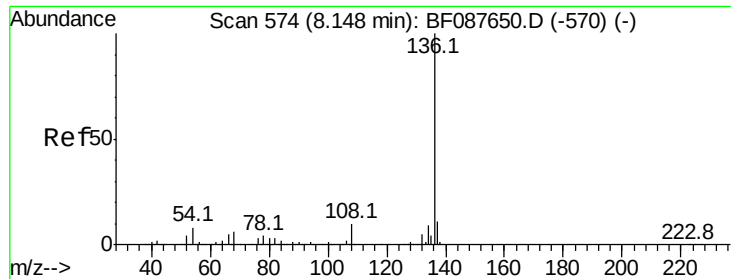
SOHIL
6/6/2016 7:18:33 PM



#20
3+4-Methylphenols
Concen: 35.08 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.9	67.8	107.8	
77	100.4	59.3	99.3	
79	28.1	7.0	47.0	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

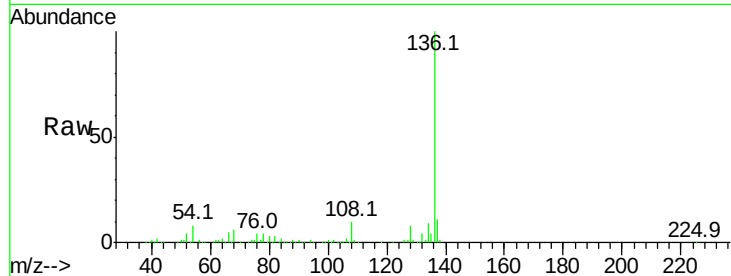
ClientSampleId :

PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	487880		
137	10.9		9.1	13.7
54	7.5		6.6	10.0
68	5.8		5.1	7.7

Manual Integrations
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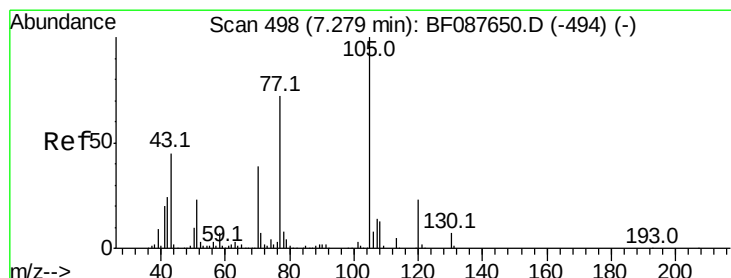
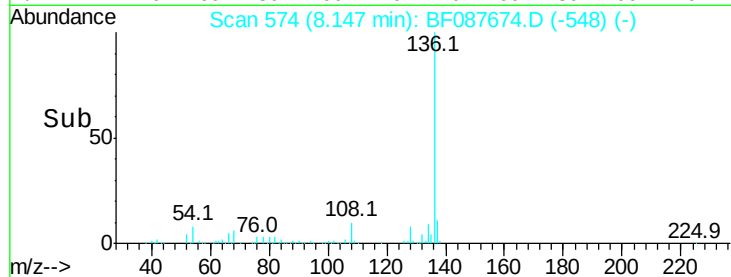
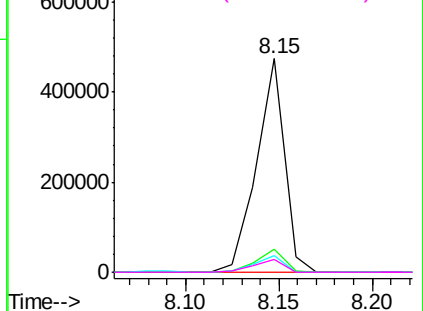


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.61 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

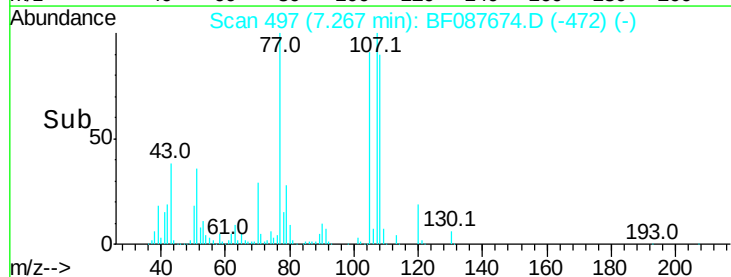
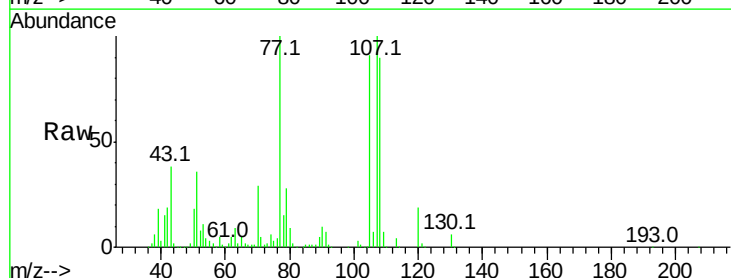
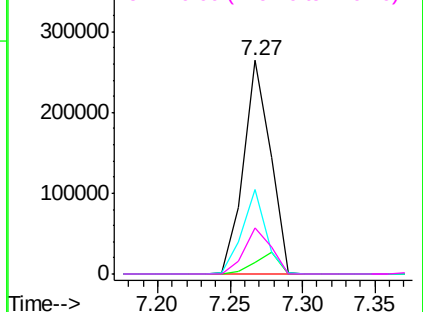
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338299		
71	5.5		5.3	7.9
51	39.5		18.2	27.4#
120	21.3		18.0	27.0

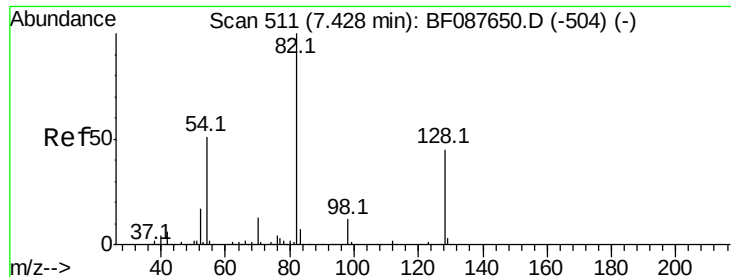
Abundance Ion 105.00 (104.70 to 105.70): E

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: 66.89 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

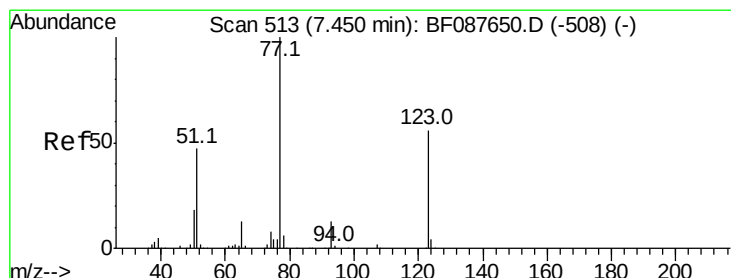
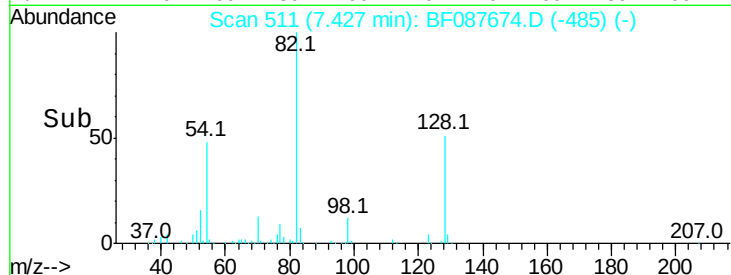
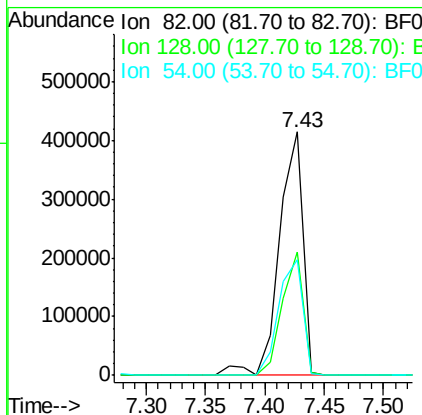
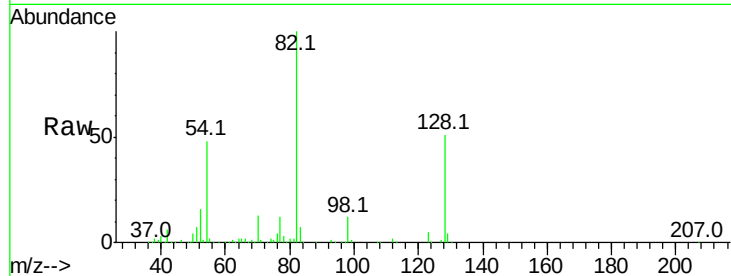
ClientSampled :

PB91070BS

Tot Ion:	82	Resp:	564035
Ion Ratio	Lower	Upper	
82	100		
128	50.7	35.9	53.9
54	47.7	40.9	61.3

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#24

Nitrobenzene

Concen: 30.11 ng

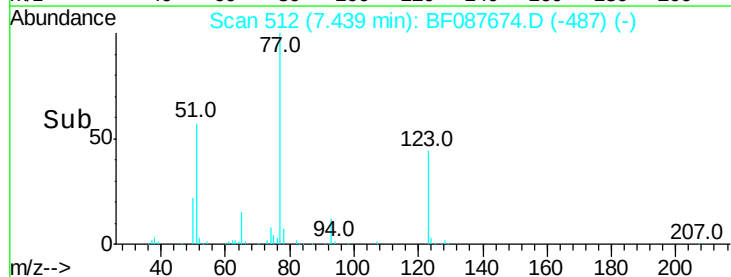
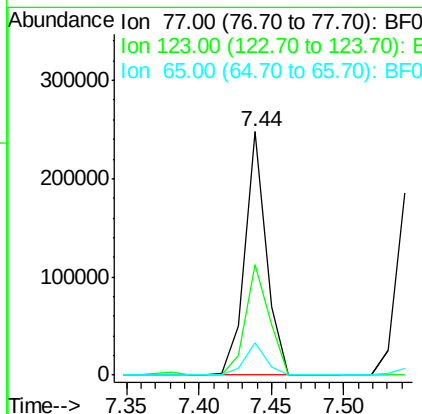
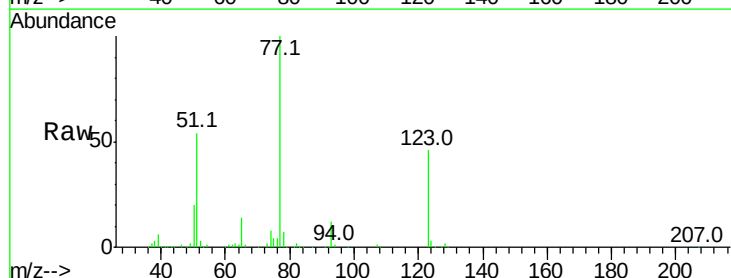
RT: 7.44 min Scan# 512

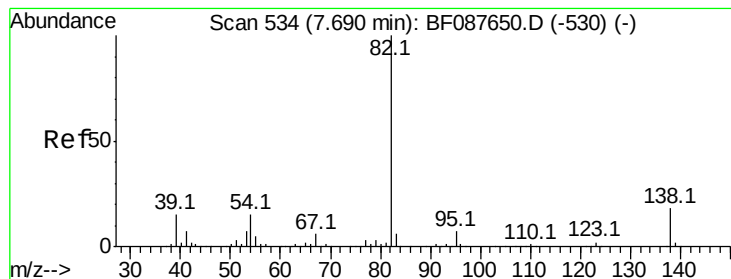
Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	77	Resp:	254126
Ion Ratio	Lower	Upper	
77	100		
123	45.5	45.0	67.4
65	13.6	10.2	15.2





#25

Isophorone

Concen: 32.52 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

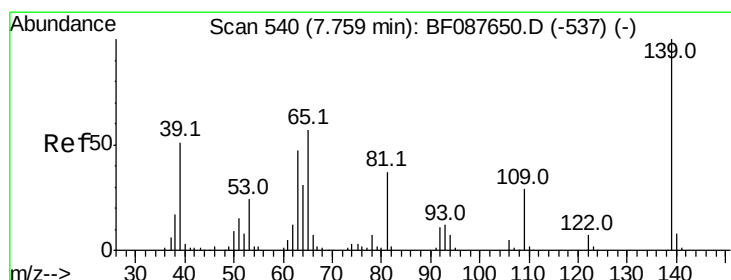
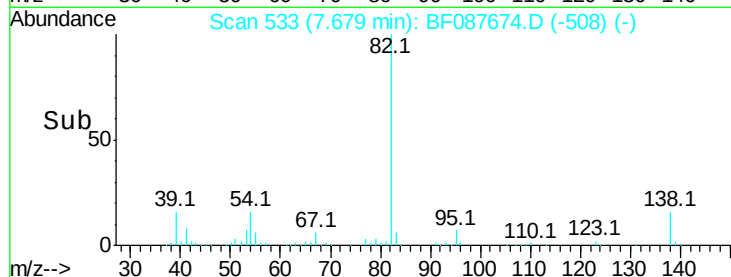
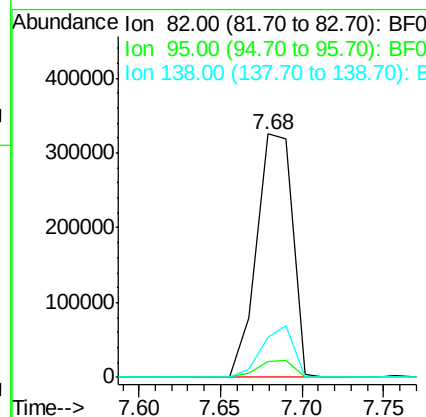
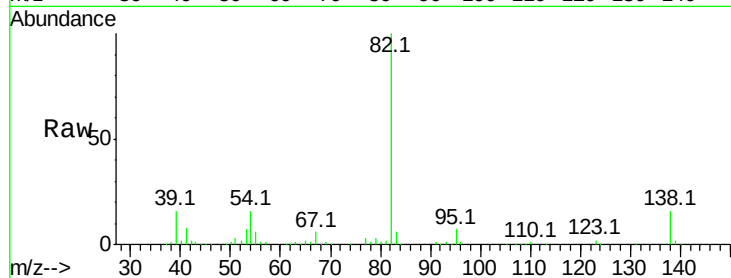
ClientSampleId :

PB91070BS

Tot Ion:	82	Resp:	499178
Ion Ratio		Lower	Upper
82	100		
95	6.6	5.4	8.2
138	16.4	14.6	21.8

Manual Integrations
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SOHIL
6/6/2016 7:18:33 PM



#26

2-Nitrophenol

Concen: 34.57 ng

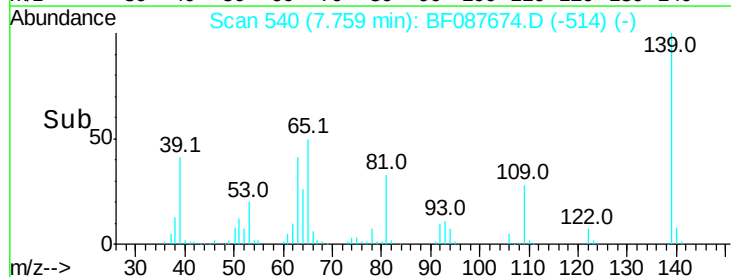
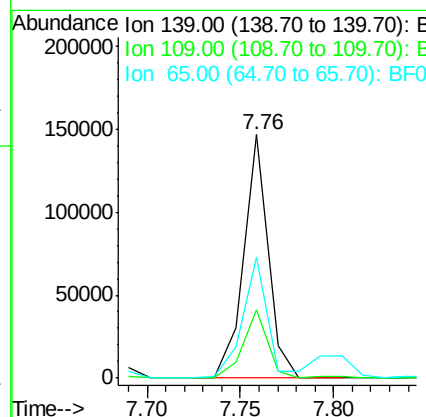
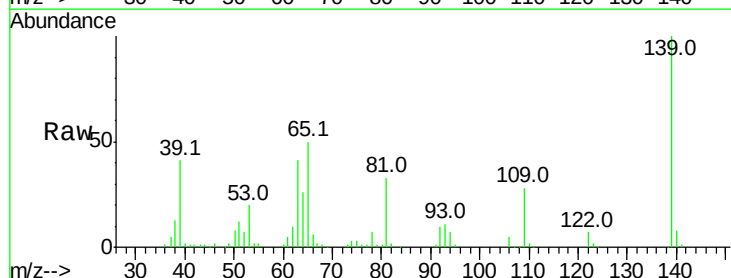
RT: 7.76 min Scan# 540

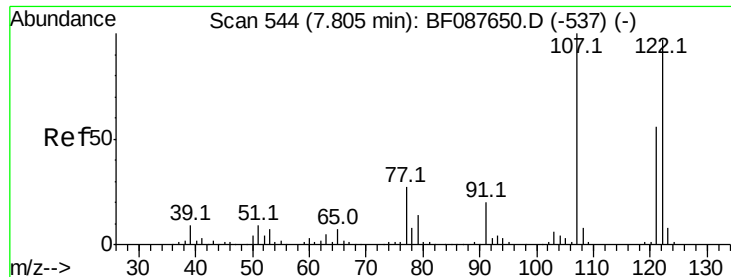
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	139	Resp:	135581
Ion Ratio		Lower	Upper
139	100		
109	28.0	23.0	34.4
65	49.7	45.8	68.8





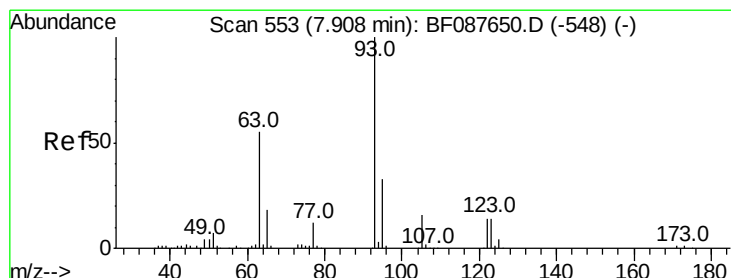
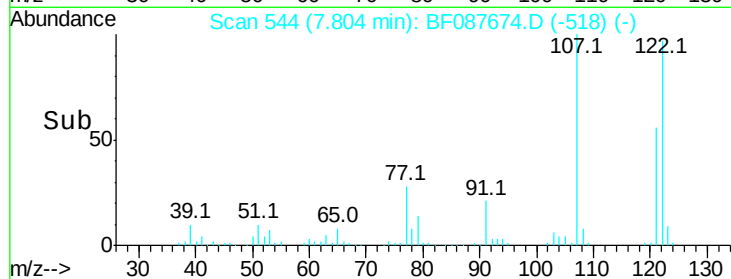
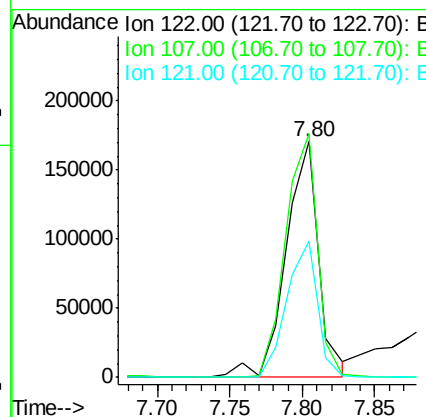
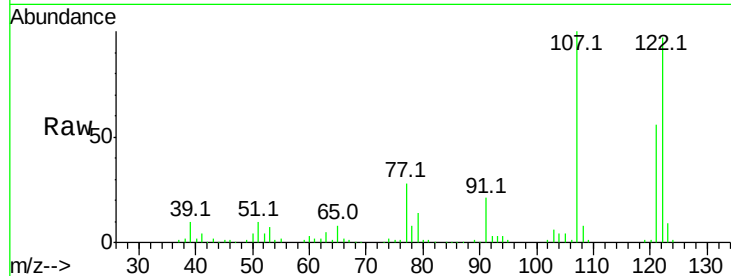
#27
2,4-Dimethylphenol
Concen: 32.77 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	266313		
107	103.2	82.4	123.6	
121	57.5	46.3	69.5	

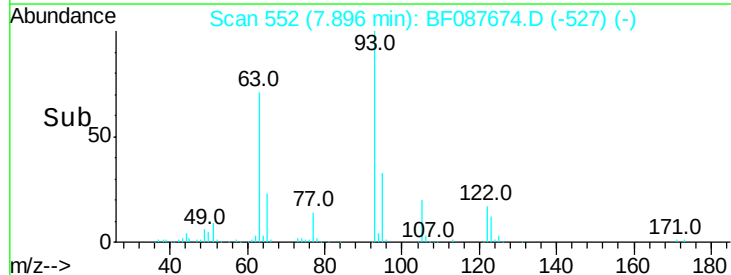
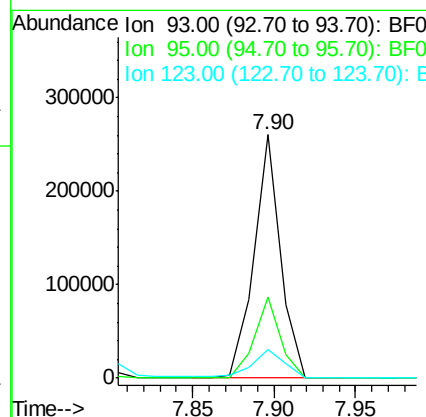
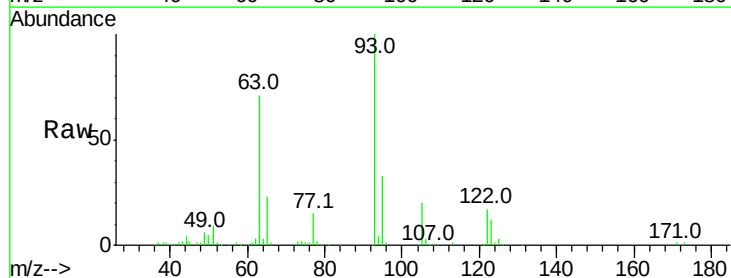
Manual Integrations
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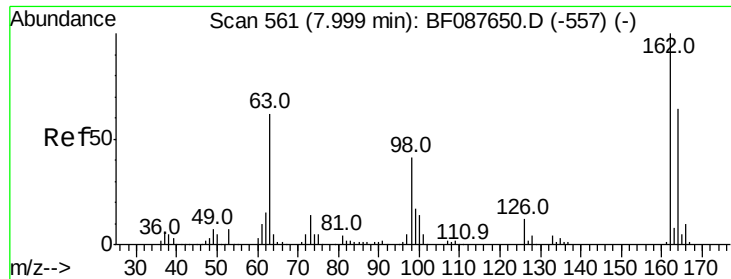
SOHIL
6/6/2016 7:18:33 PM



#28
bis(2-Chloroethoxy)methane
Concen: 30.11 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	293232		
95	33.3	26.5	39.7	
123	11.8	11.6	17.4	





#29

2,4-Dichlorophenol

Concen: 32.92 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

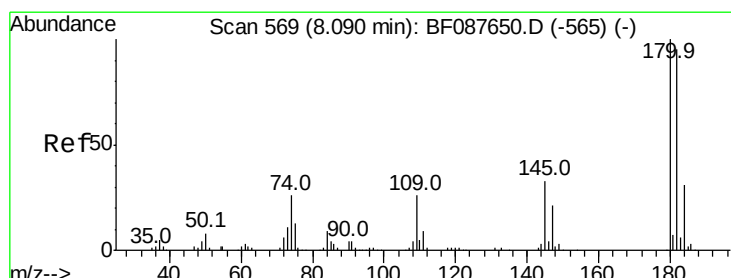
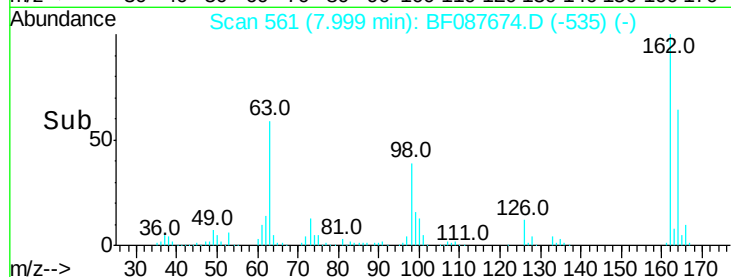
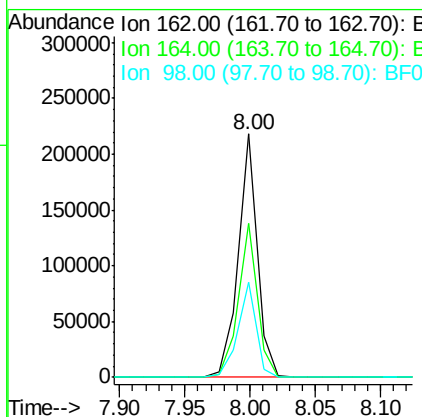
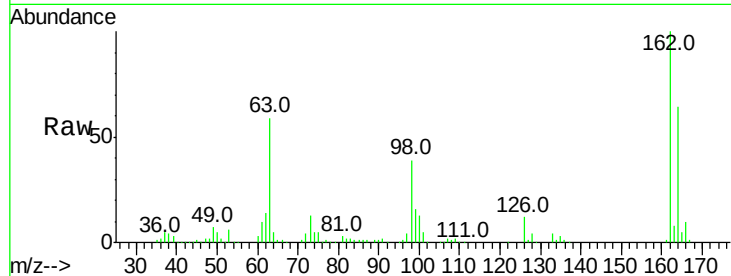
ClientSampled :

PB91070BS

Tot Ion:	162	Resp:	219731
Ion Ratio	Lower	Upper	
162	100		
164	63.5	43.8	83.8
98	39.0	21.3	61.3

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 34.19 ng

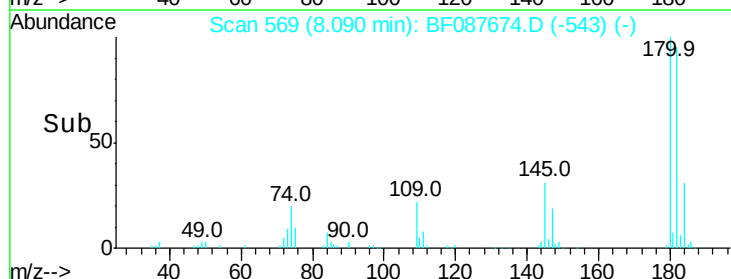
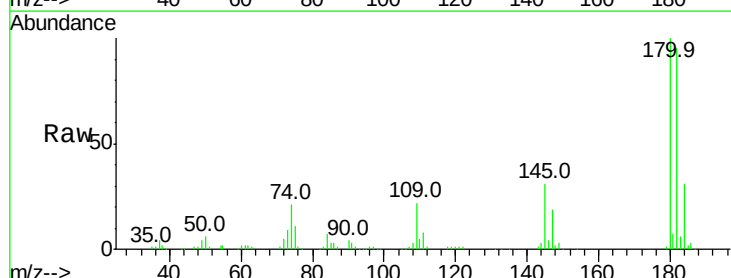
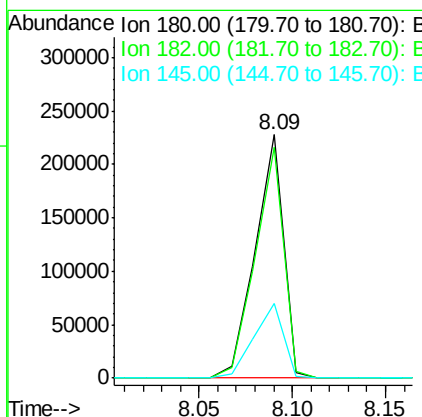
RT: 8.09 min Scan# 569

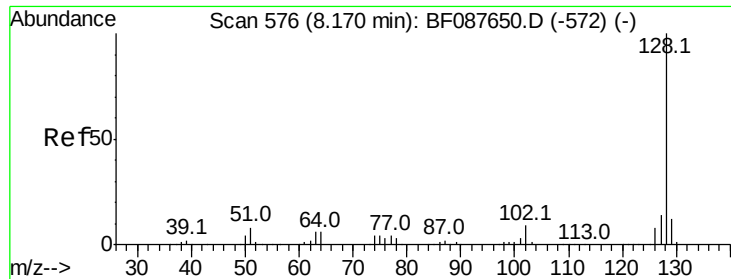
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	180	Resp:	238933
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.0	114.0
145	30.7	26.5	39.7





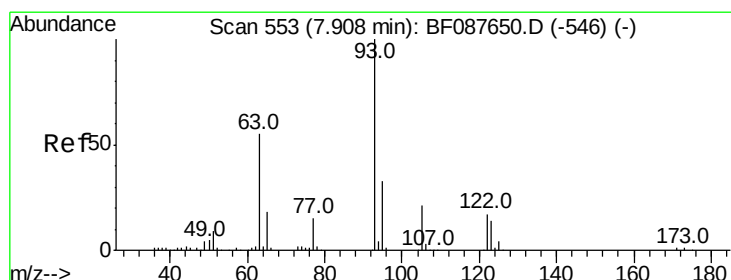
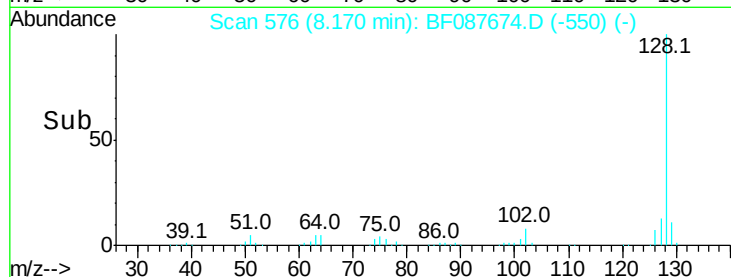
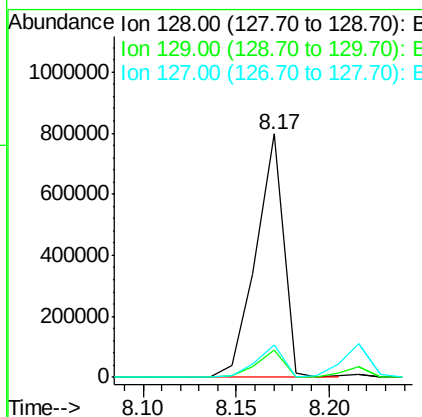
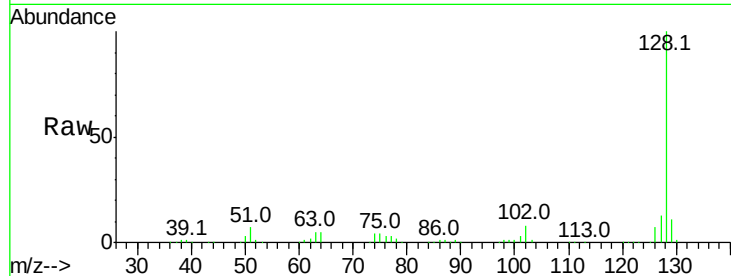
#31
Naphthalene
Concen: 34.46 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	817467		
129	11.3		9.4	14.2
127	13.3		10.9	16.3

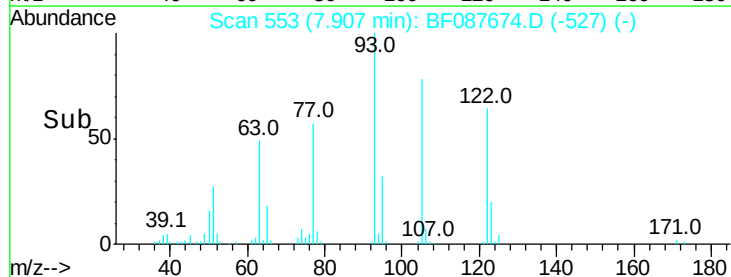
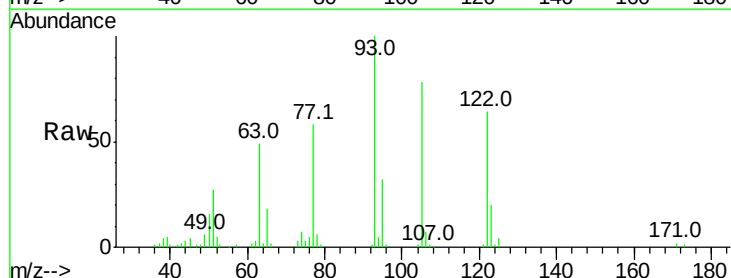
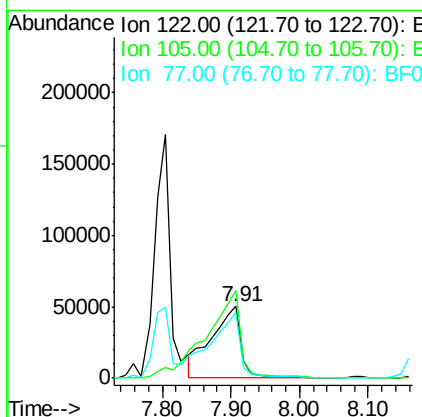
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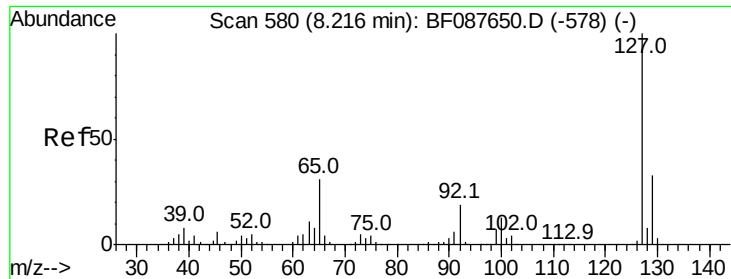
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#32
Benzoic acid
Concen: 31.23 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	153126		
105	122.2		101.6	141.6
77	91.8		70.6	110.6





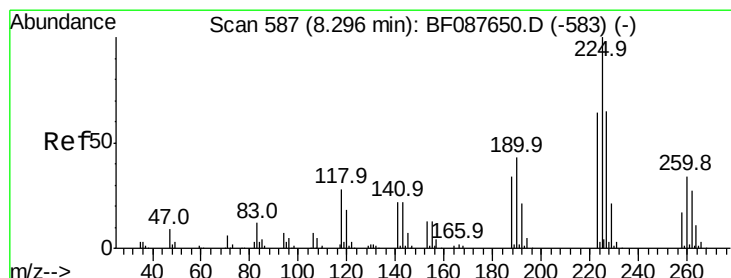
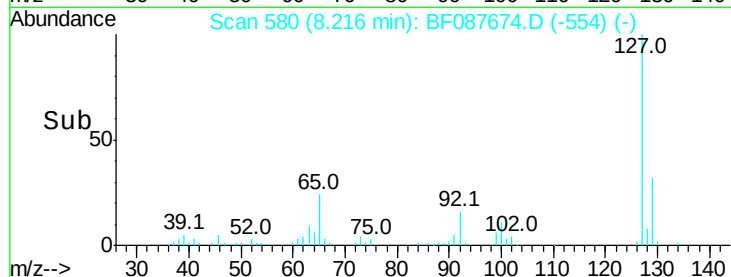
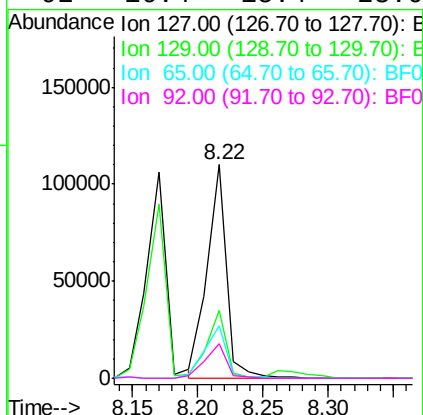
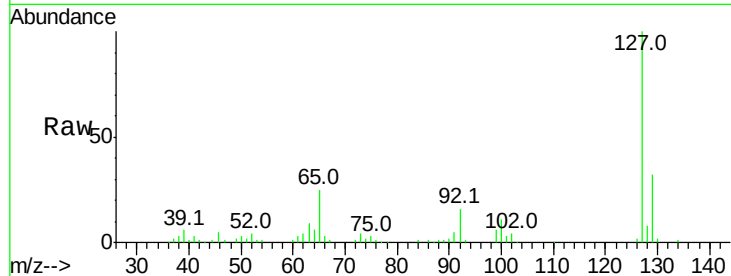
#33
4-Chloroaniline
Concen: 11.09 ng
RT: 8.22 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	114273		
129	31.8	26.3	39.5	
65	24.7	24.7	37.1#	
92	16.4	15.4	23.0	

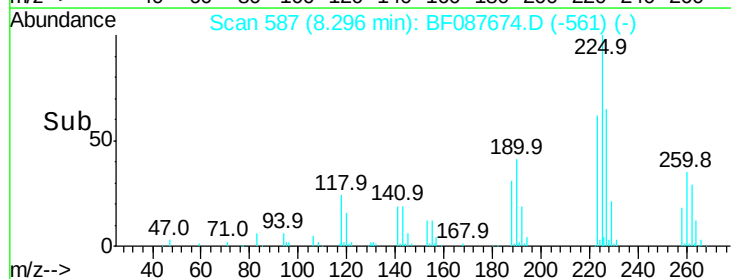
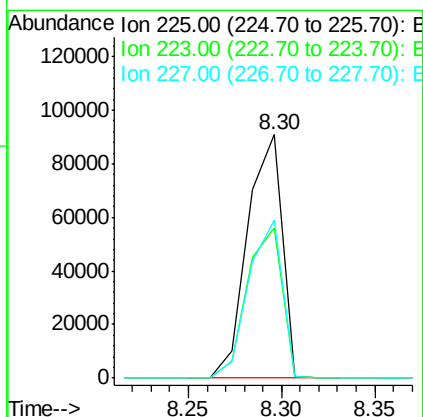
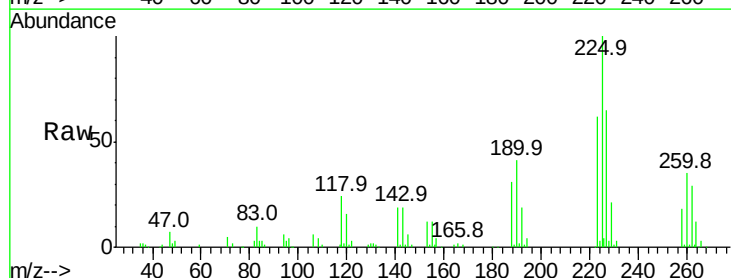
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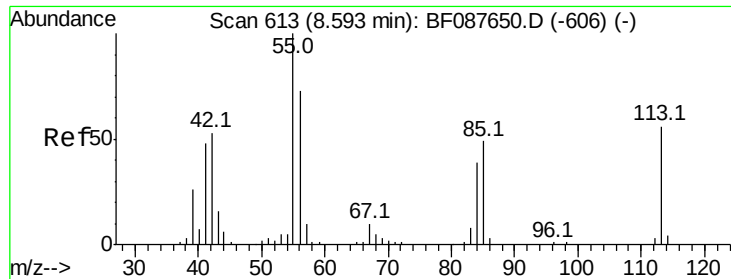
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#34
Hexachlorobutadiene
Concen: 32.48 ng
RT: 8.30 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118041		
223	61.5	50.9	76.3	
227	64.8	51.9	77.9	





#35

Caprolactam

Concen: 34.00 ng/mL

RT: 8.58 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

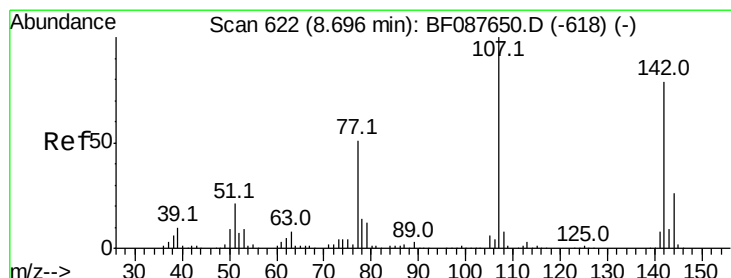
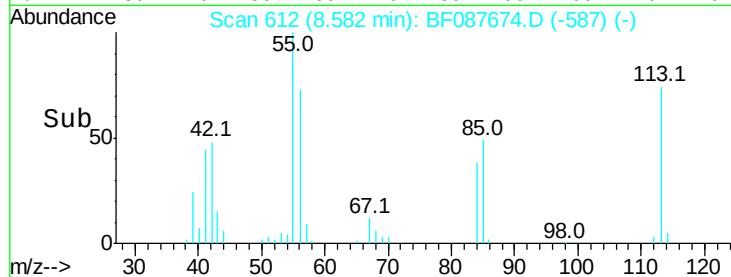
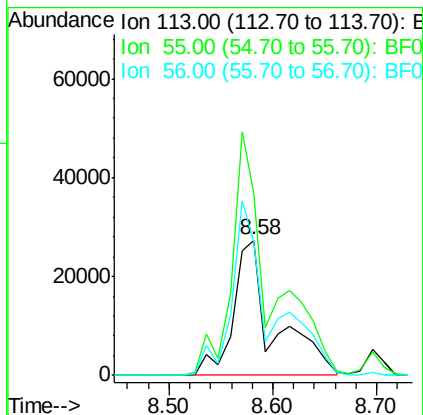
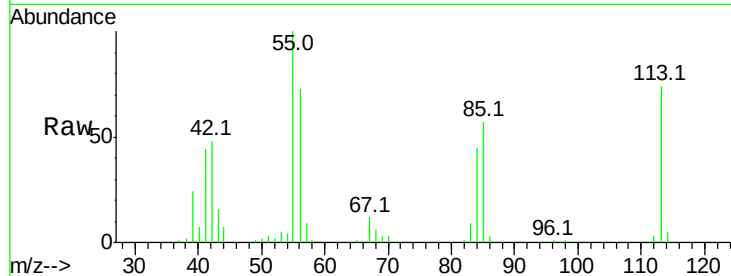
ClientSampleId :

PB91070BS

Tot Ion:	113	Resp:	74558
Ion Ratio	Lower	Upper	
113	100		
55	135.2	158.6	198.6#
56	98.6	110.6	150.6#

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#36

4-Chloro-3-methylphenol

Concen: 32.29 ng/mL

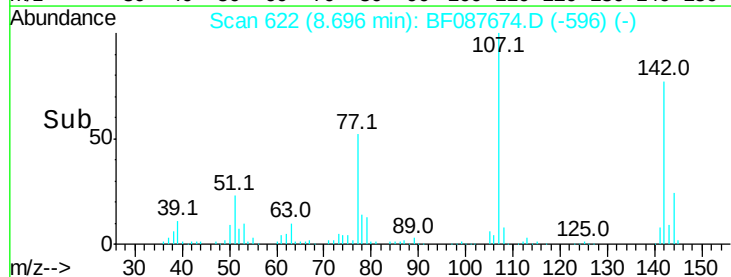
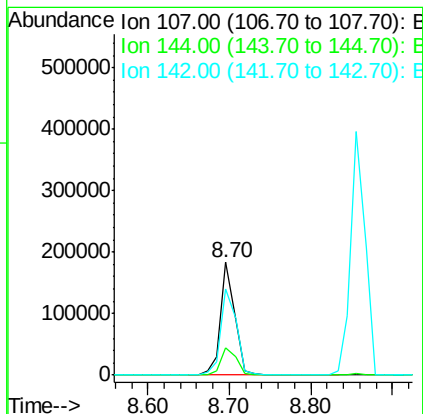
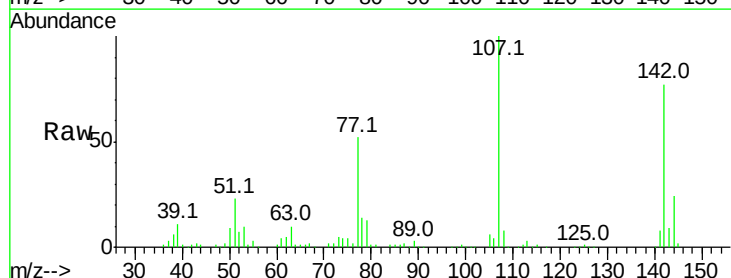
RT: 8.70 min Scan# 622

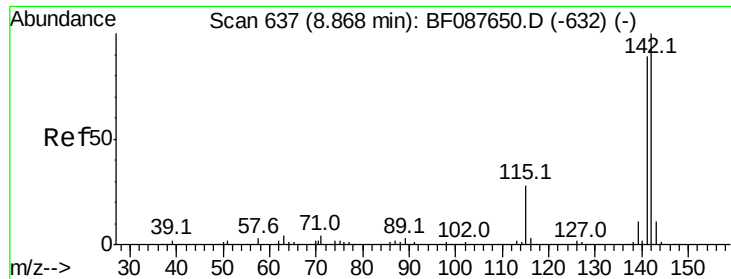
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	107	Resp:	222963
Ion Ratio	Lower	Upper	
107	100		
144	24.4	20.8	31.2
142	76.6	63.4	95.2





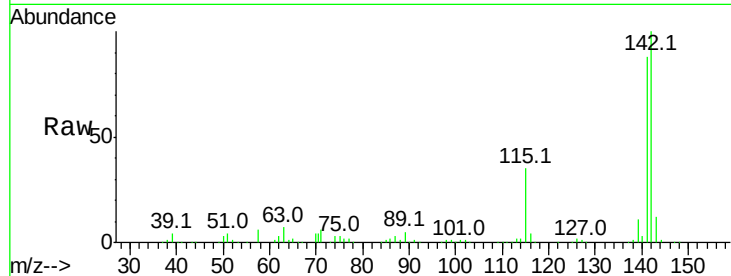
#37
2-Methylnaphthalene
Concen: 30.99 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

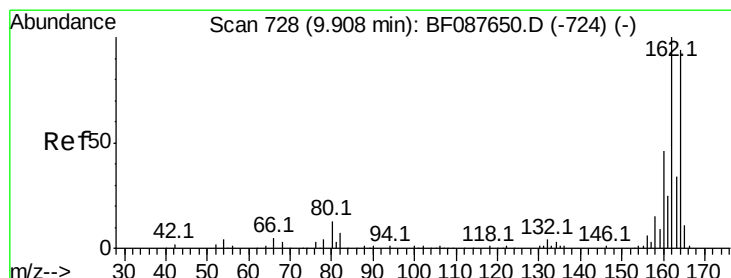
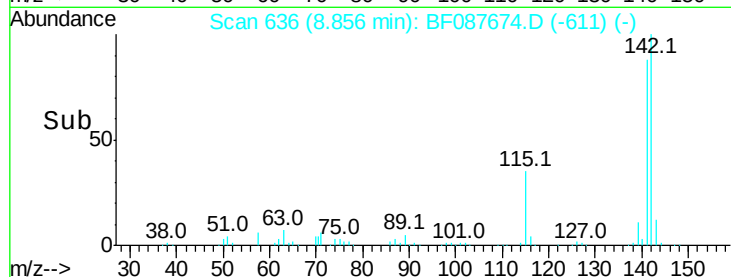
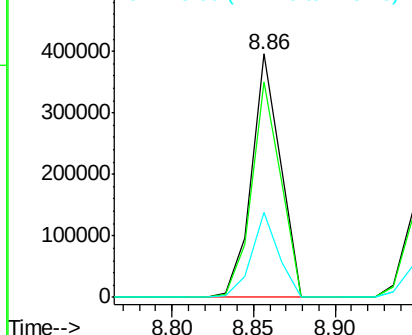
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.0	106.6
115	34.9	22.6	33.8

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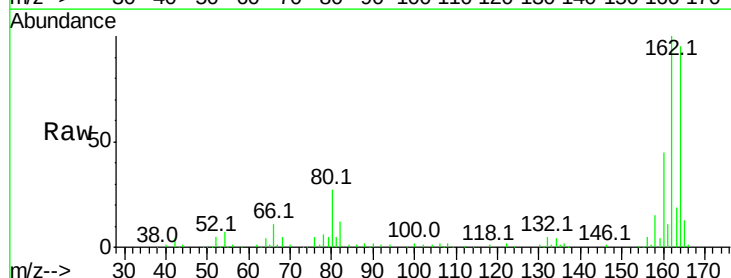


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

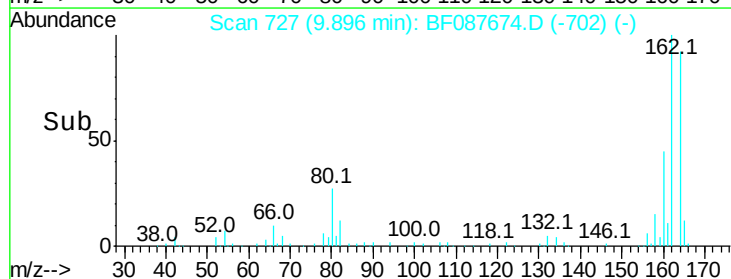
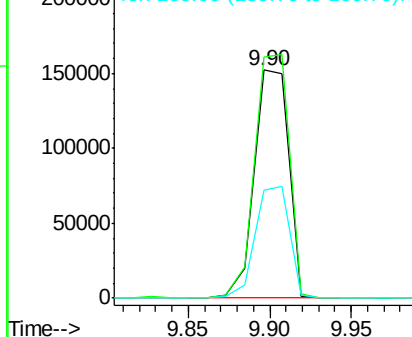


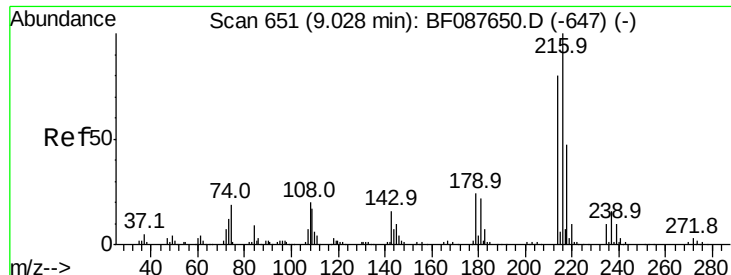
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	85.4	128.2
160	47.1	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.69 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

ClientSampleId :

PB91070BS

Tot Ion:216 Resp: 213235
Ion Ratio Lower Upper

216 100

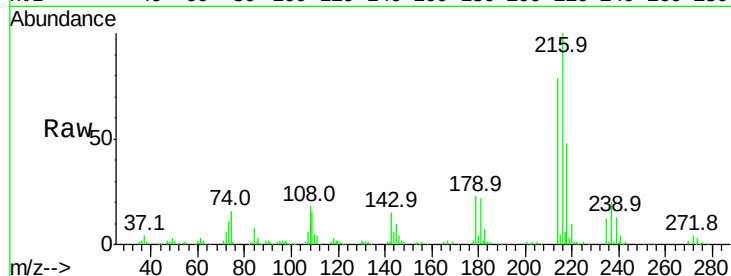
214 79.2 2.9 4.3#

179 22.8 0.0 0.0#

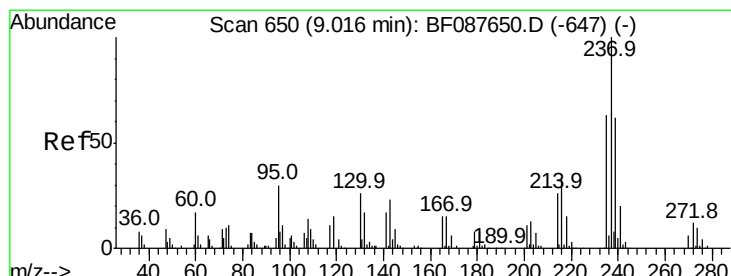
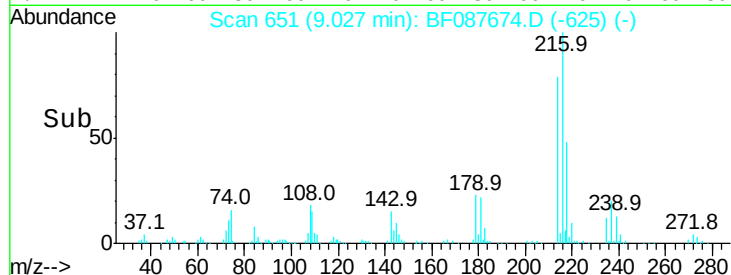
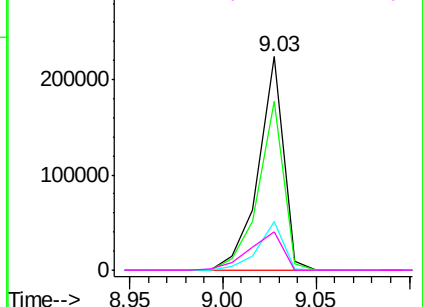
108 23.6 0.5 0.7#

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Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 64.54 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF087674.D

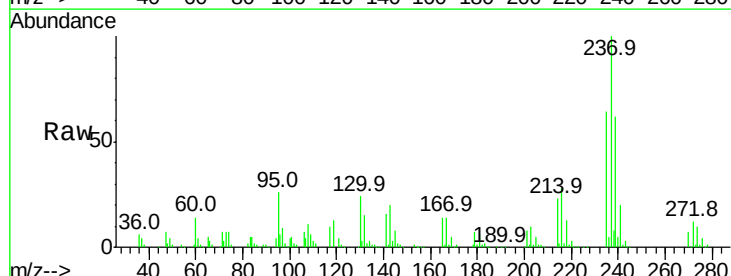
Acq: 4 Jun 2016 19:16

Tgt Ion:237 Resp: 233377
Ion Ratio Lower Upper

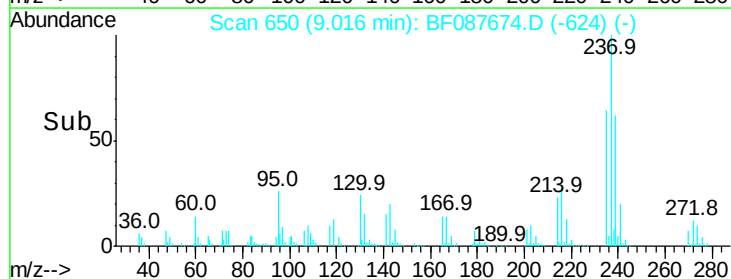
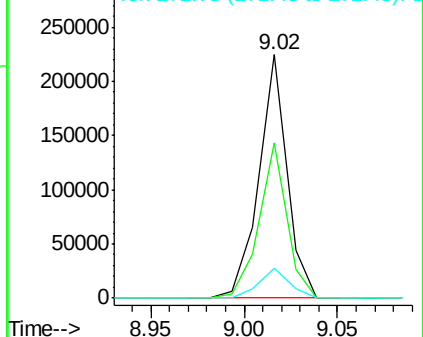
237 100

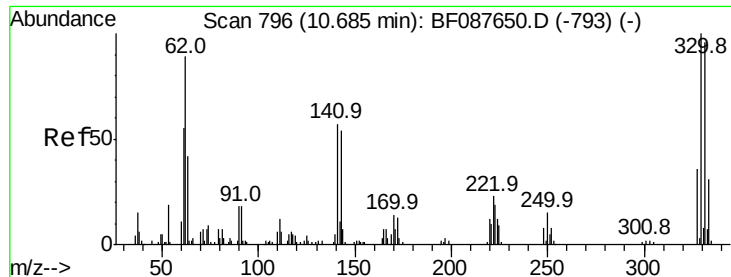
235 63.7 43.4 83.4

272 12.4 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E





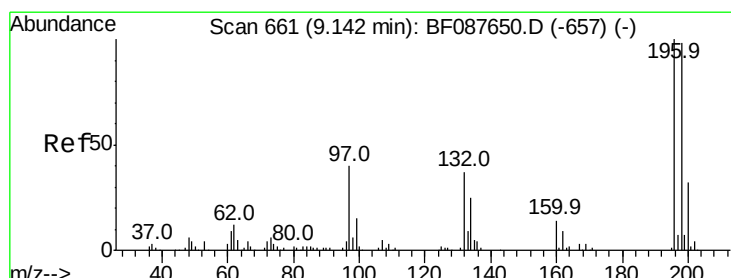
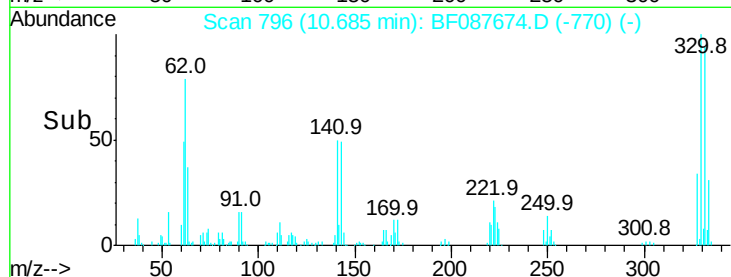
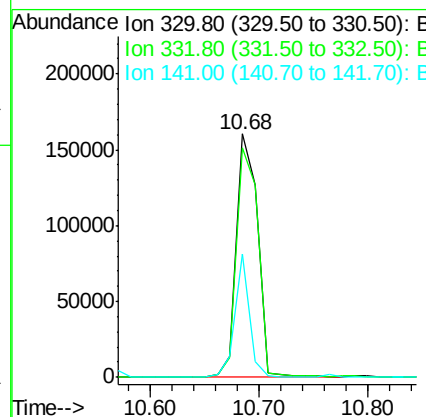
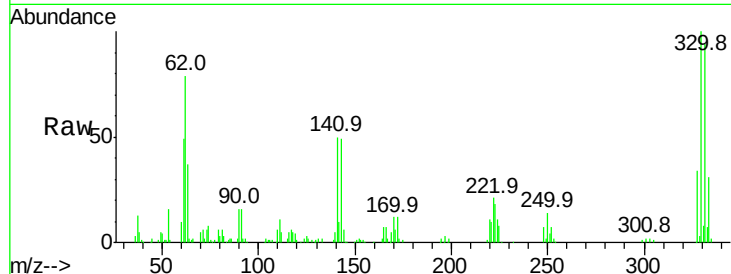
#41
 2,4,6-Tribromophenol
 Concen: 95.87 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.8	0.0	0.0#
141	34.9	0.0	0.0#

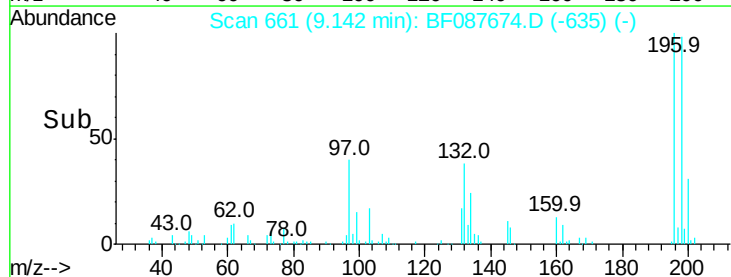
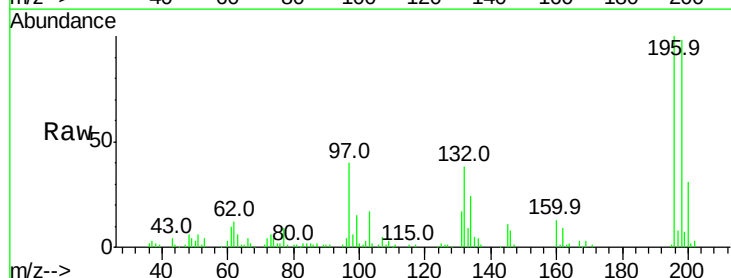
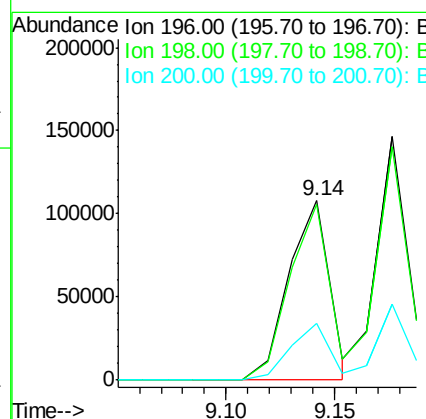
Manual Integrations
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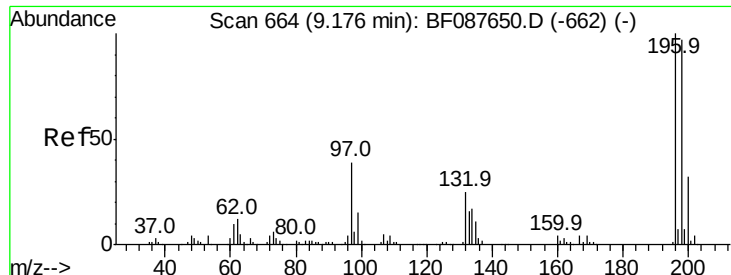
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#42
 2,4,6-Trichlorophenol
 Concen: 30.46 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	97.6	78.0	117.0
200	31.3	25.4	38.2





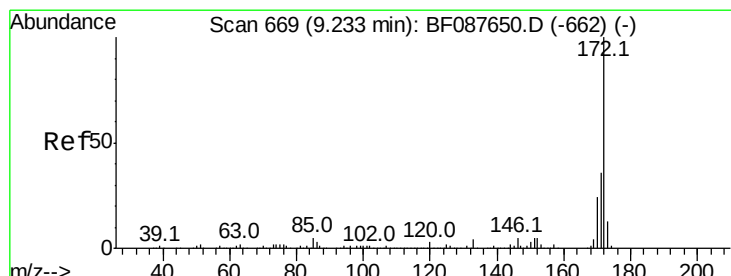
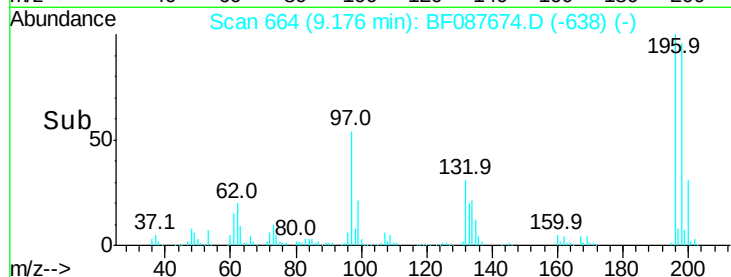
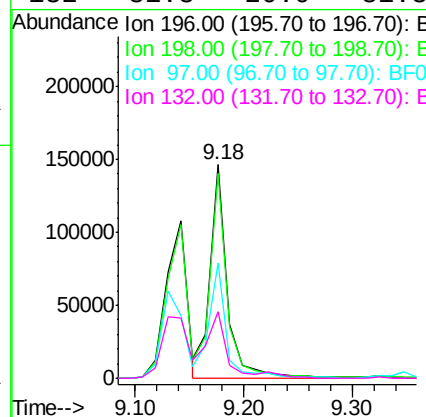
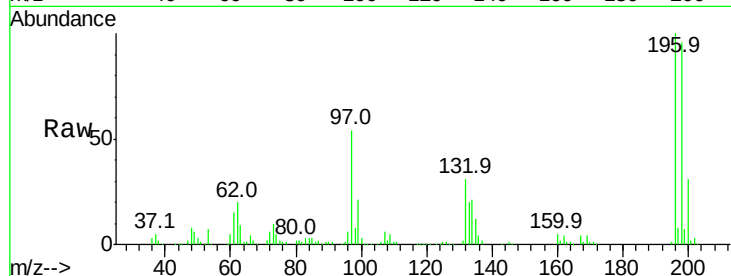
#43
 2,4,5-Trichlorophenol
 Concen: 37.96 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	196	Resp	164025
Ion Ratio	Lower	Upper	
196	100		
198	95.8	77.5	116.3
97	53.7	32.0	48.0#
132	31.3	20.9	31.3

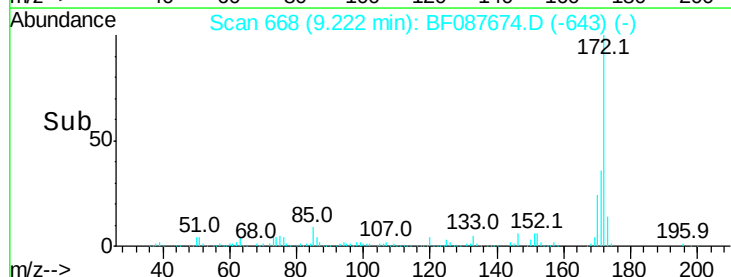
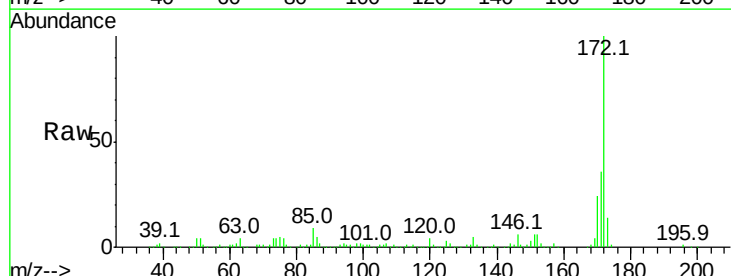
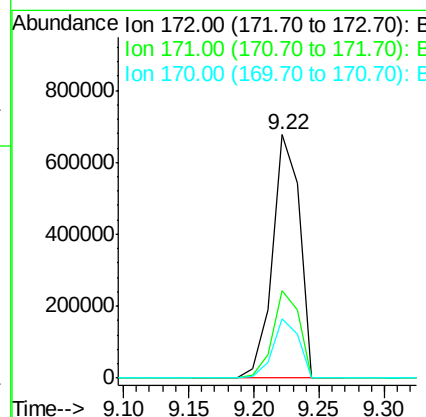
Manual Integrations
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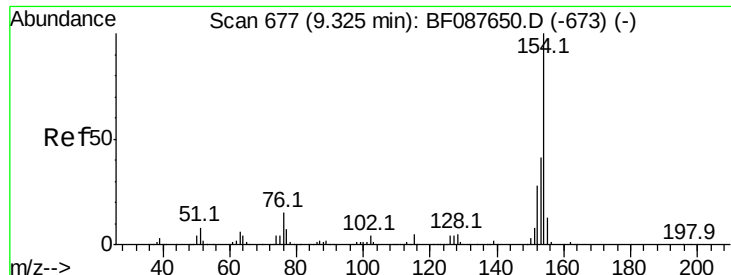
SOHIL
 6/6/2016 7:18:33 PM



#44
 2-Fluorobiphenyl
 Concen: 62.40 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	172	Resp	984898
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.6	43.0
170	24.1	19.2	28.8





#45

1,1'-Biphenyl

Concen: 33.01 ng

RT: 9.32 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

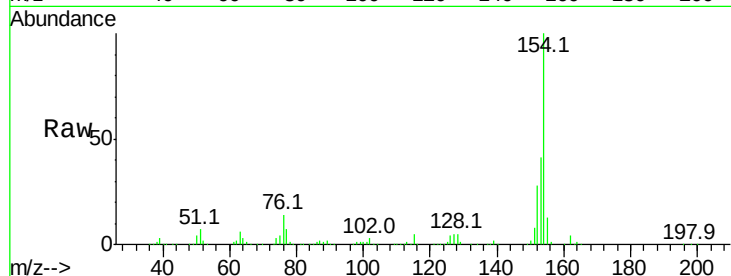
ClientSampleId :

PB91070BS

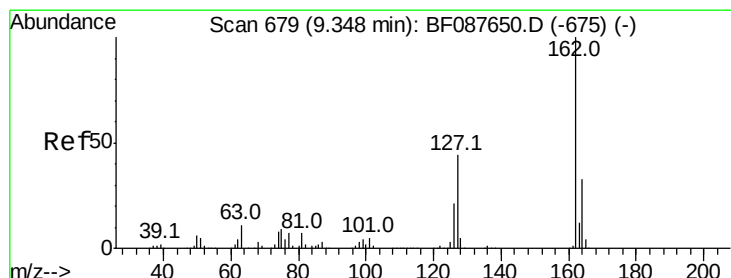
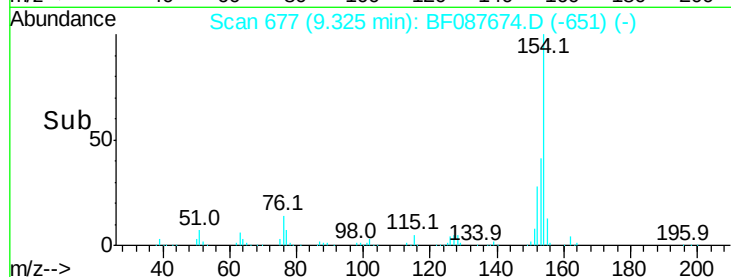
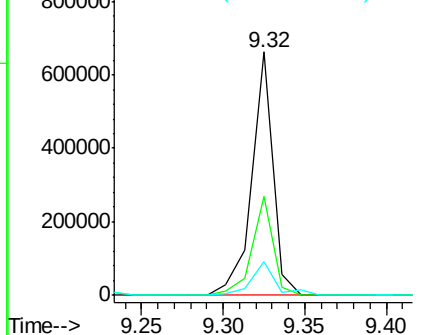
Tot Ion:	154	Resp:	597640
Ion Ratio	Lower	Upper	
154	100		
153	40.7	20.6	60.6
76	13.9	0.0	35.1

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 32.81 ng

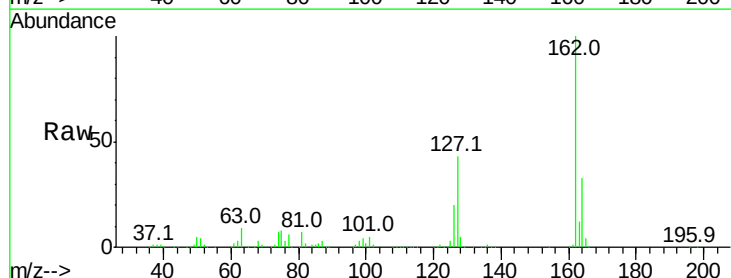
RT: 9.35 min Scan# 679

Delta R.T. -0.00 min

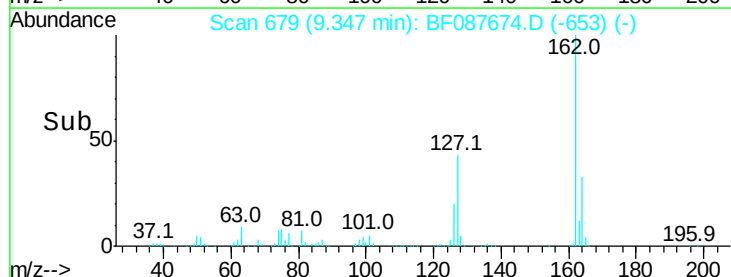
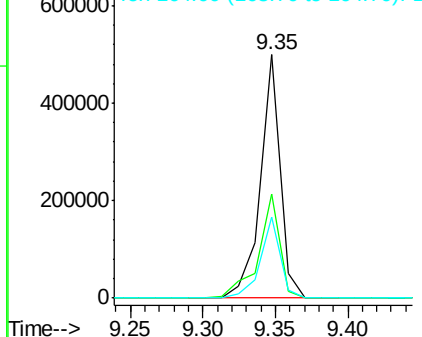
Lab File: BF087674.D

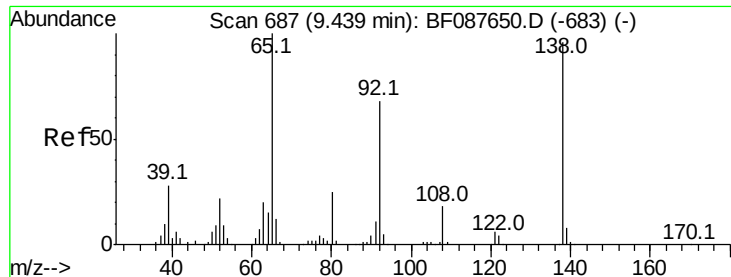
Acq: 4 Jun 2016 19:16

Tgt Ion:	162	Resp:	472834
Ion Ratio	Lower	Upper	
162	100		
127	42.6	35.2	52.8
164	33.5	26.6	39.8



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





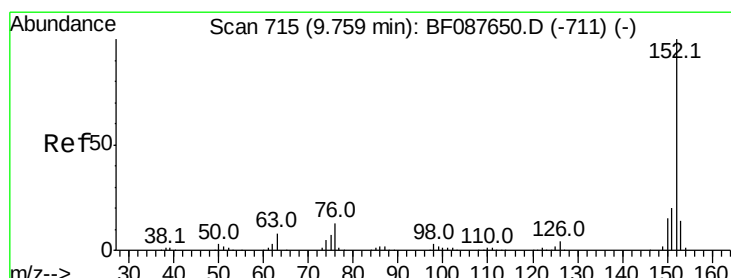
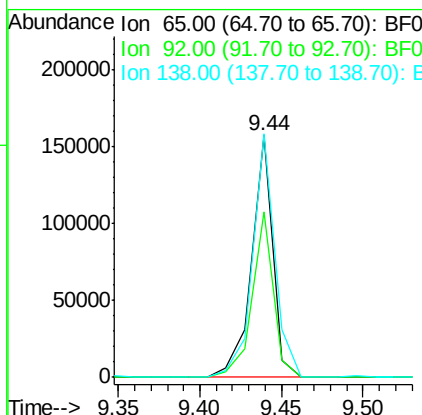
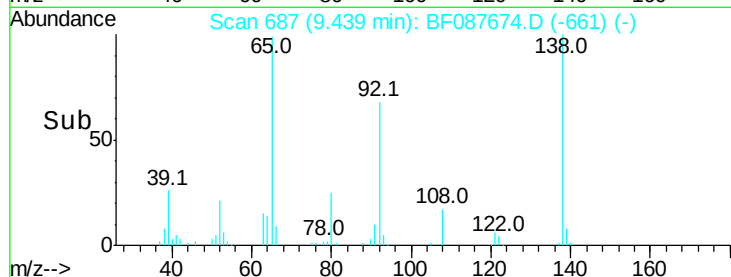
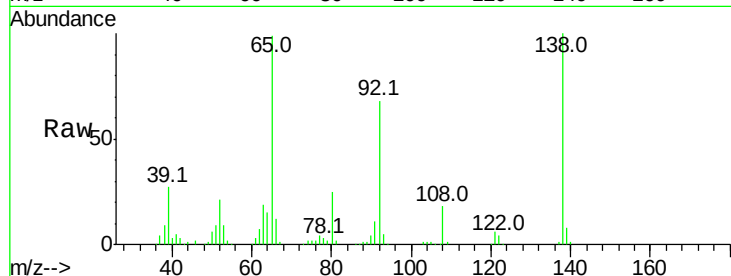
#47
2-Nitroaniline
Concen: 34.68 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	68.2	54.6	82.0
138	100.6	77.0	115.4

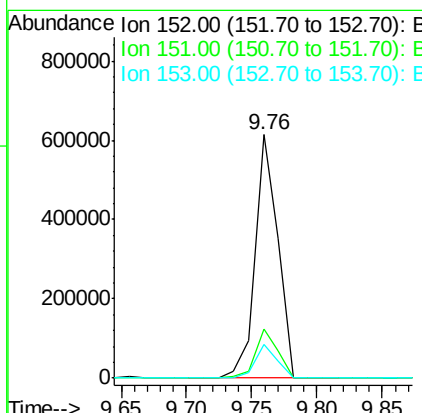
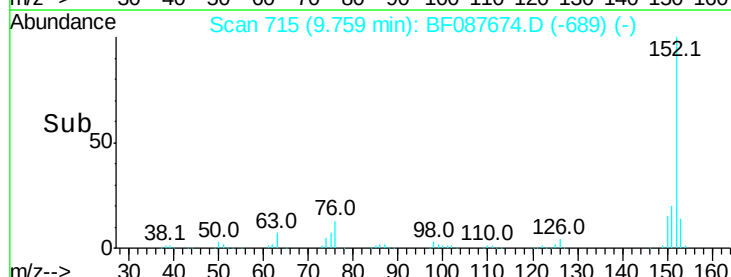
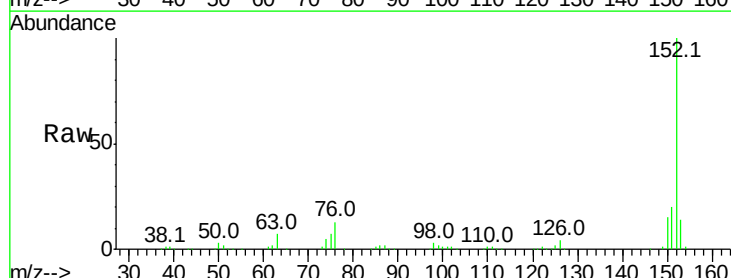
Manual Integrations
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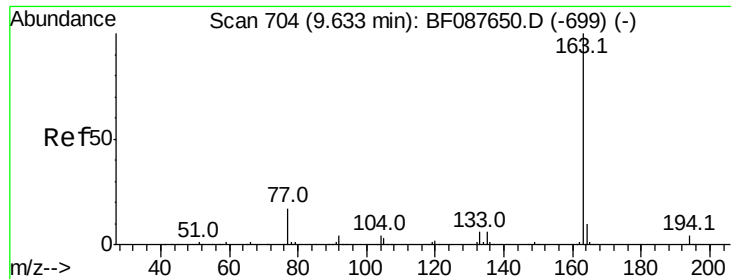
SOHIL
6/6/2016 7:18:33 PM



#48
Acenaphthylene
Concen: 32.98 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	13.7	11.0	16.6





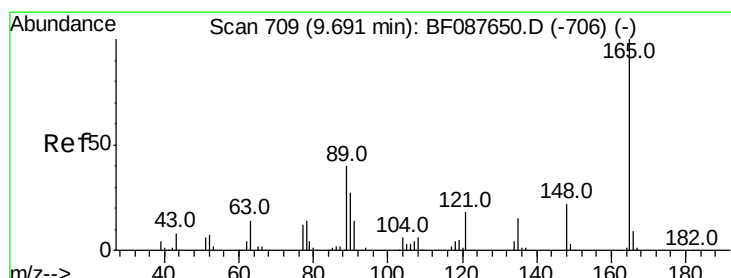
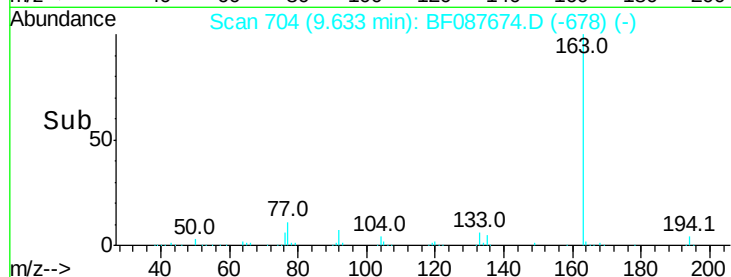
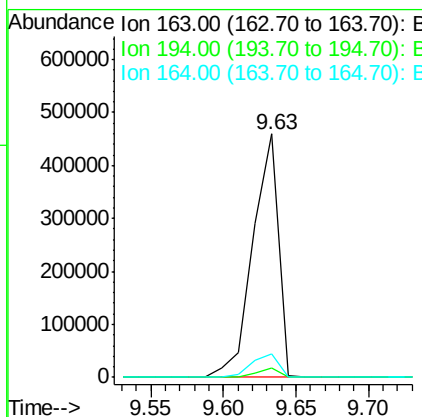
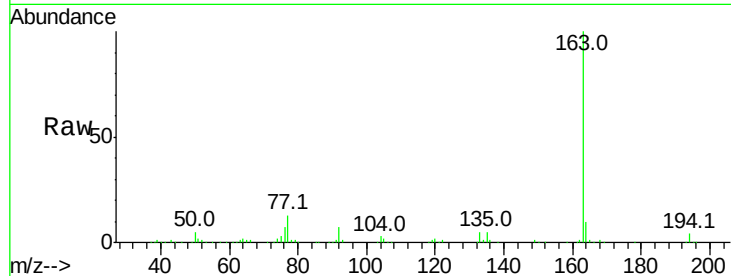
#49
Dimethylphthalate
Concen: 34.54 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	560208		
194	3.8		2.8	4.2
164	9.7		8.3	12.5

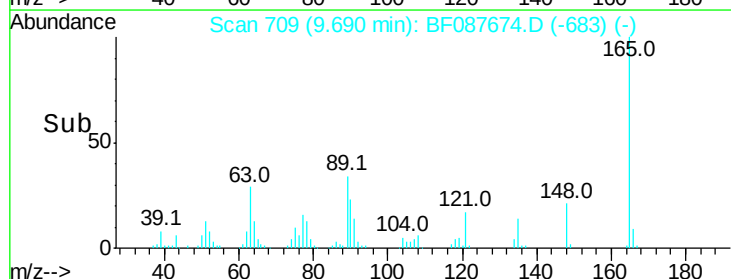
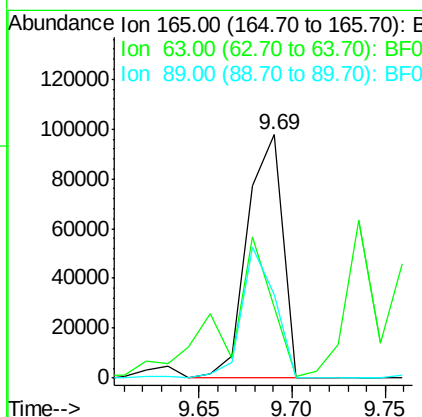
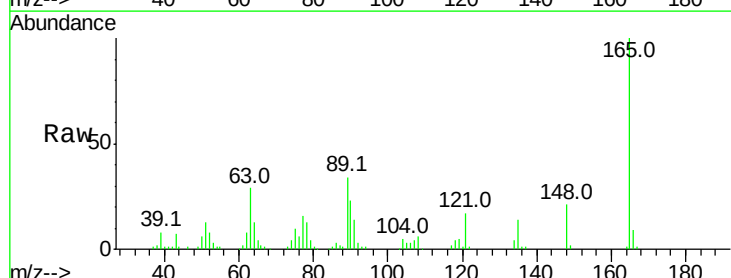
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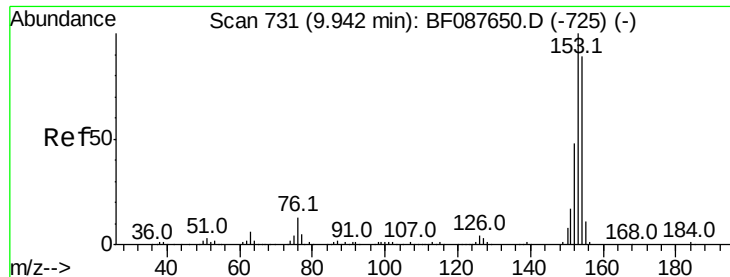
SOHIL
6/6/2016 7:18:33 PM



#50
2,6-Dinitrotoluene
Concen: 34.56 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	127531		
63	28.9		28.1	42.1
89	34.1		32.2	48.2





#51

Acenaphthene

Concen: 35.51 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

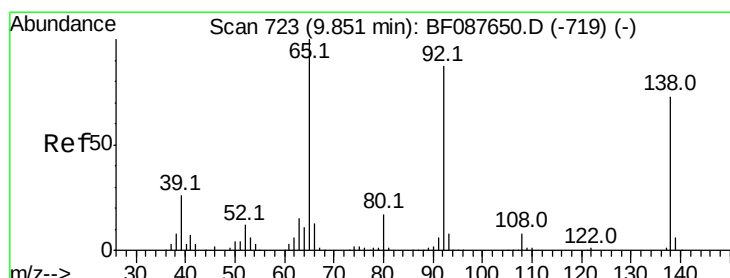
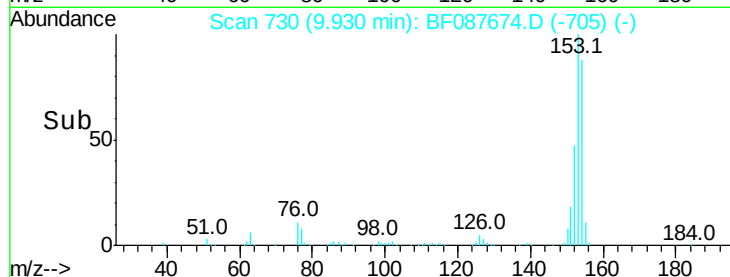
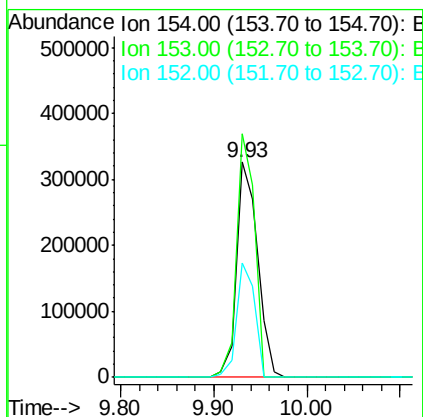
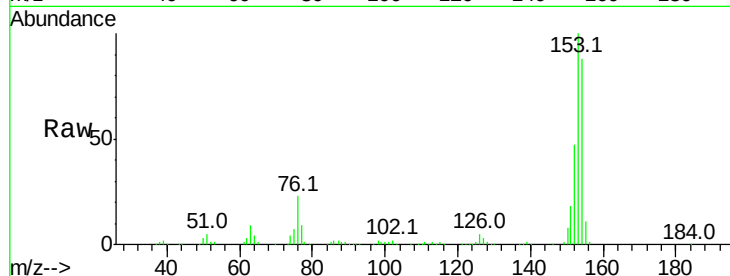
ClientSampleId :

PB91070BS

Tot Ion:	154	Resp:	513521
Ion Ratio	Lower	Upper	
154	100		
153	113.1	89.5	134.3
152	53.3	42.7	64.1

Manual Integrations
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6/6/2016 7:18:33 PM



#52

3-Nitroaniline

Concen: 18.44 ng

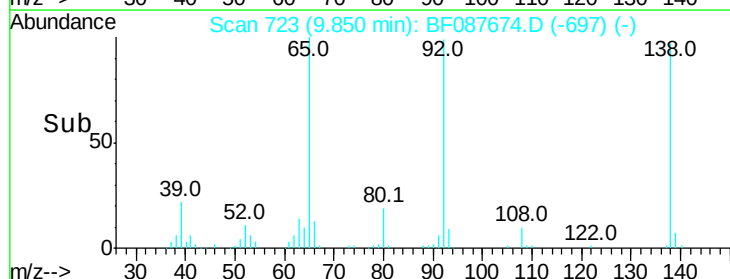
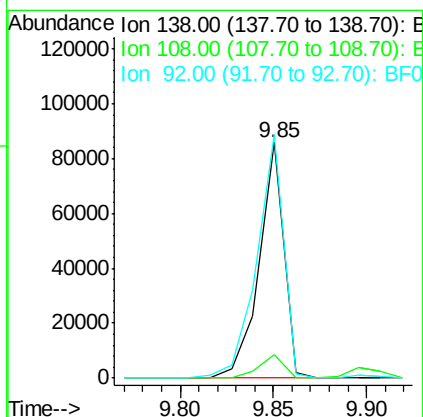
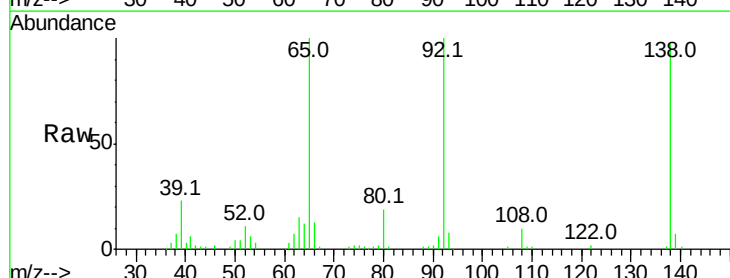
RT: 9.85 min Scan# 723

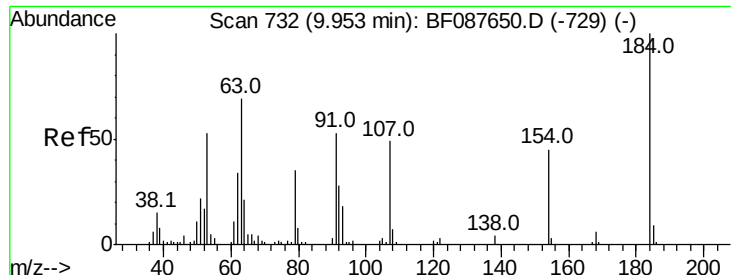
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	138	Resp:	77837
Ion Ratio	Lower	Upper	
138	100		
108	9.9	8.5	12.7
92	103.3	95.7	143.5





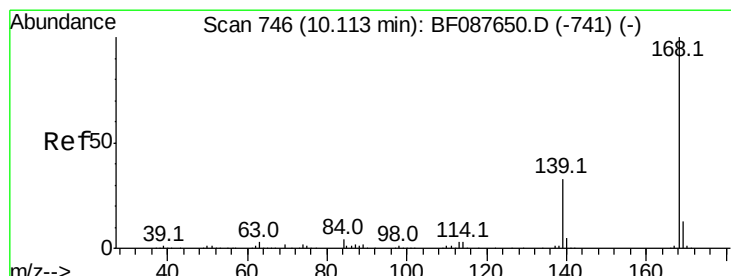
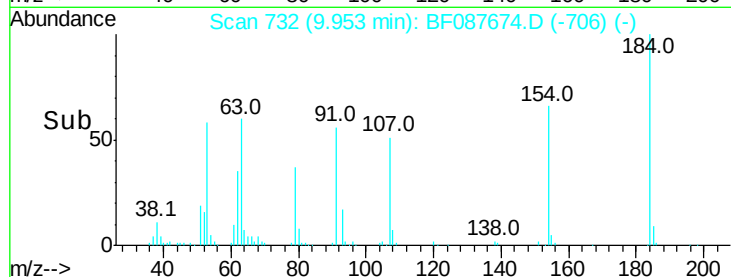
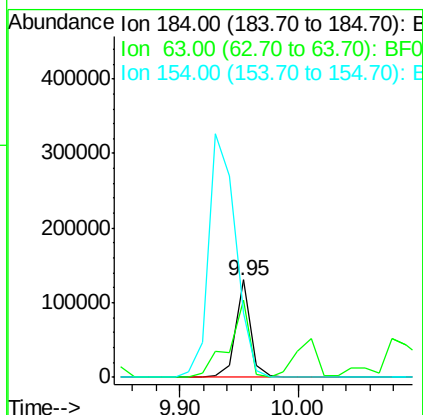
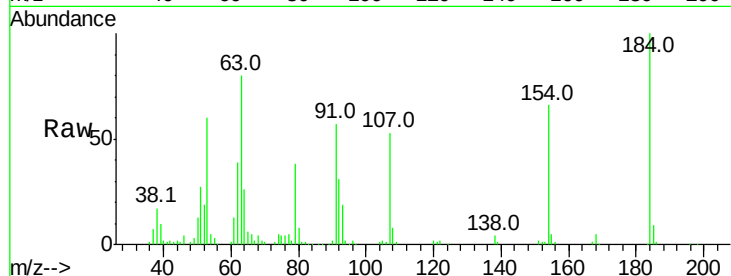
#53
2,4-Dinitrophenol
Concen: 69.40 ng
RT: 9.95 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampled :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	115307		
63	79.9	57.6	86.4	
154	66.2	53.5	80.3	

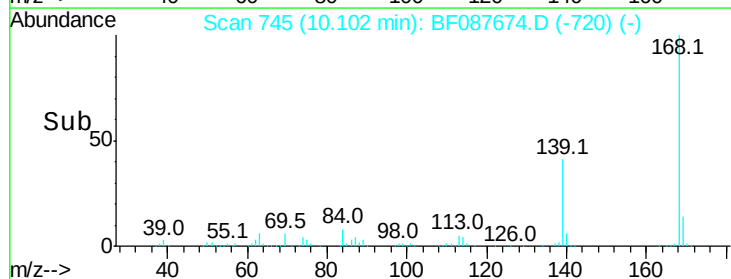
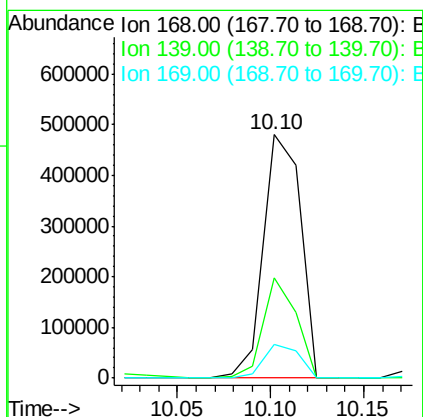
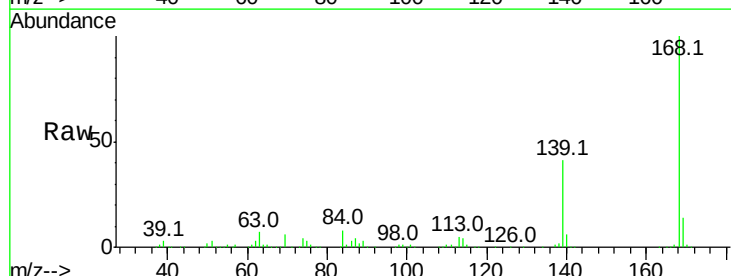
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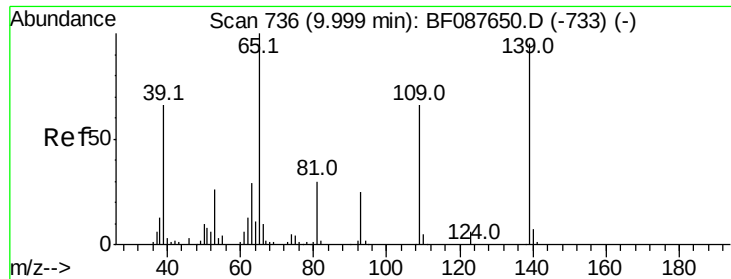
SOHIL
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#54
Dibenzofuran
Concen: 33.60 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	661441		
139	41.0	26.4	39.6#	
169	13.9	10.4	15.6	





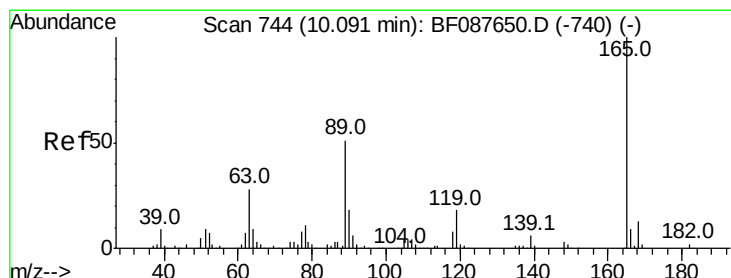
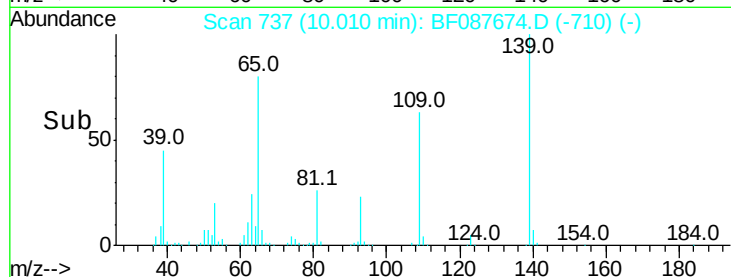
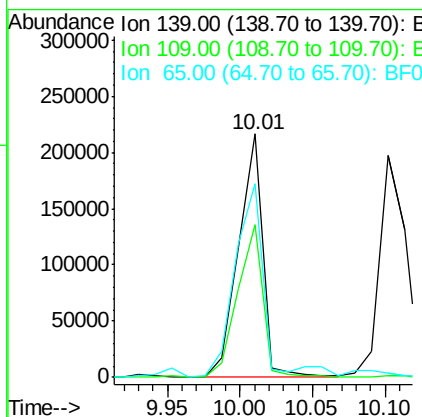
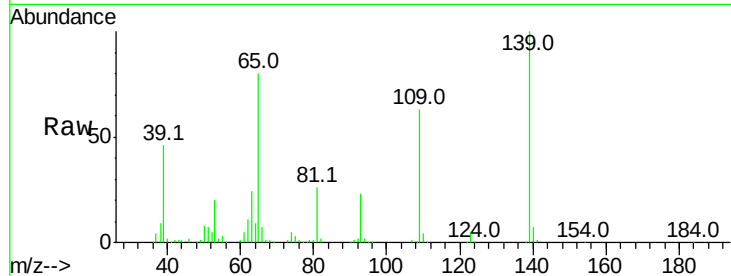
#55
4-Nitrophenol
Concen: 70.04 ng
RT: 10.01 min Scan# 737
Delta R.T. 0.01 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	252626		
109	62.8	48.9	88.9	
65	79.7	84.9	124.9	

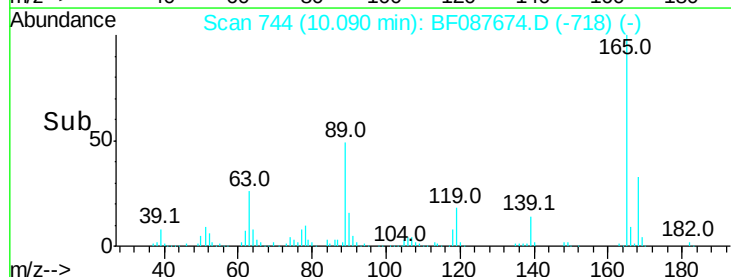
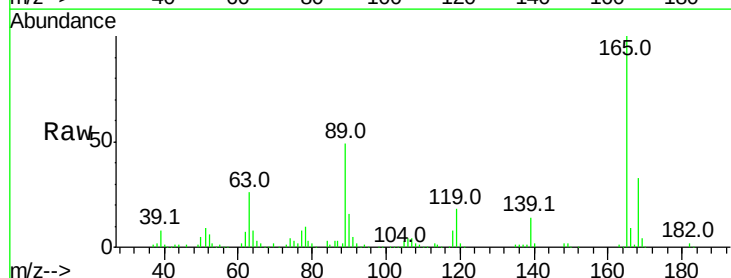
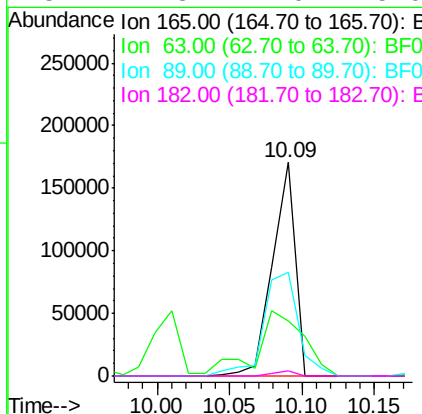
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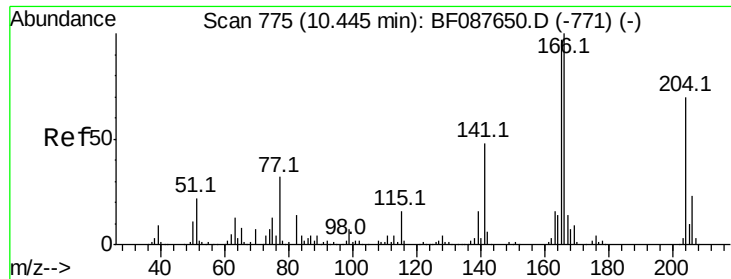
SOHIL
6/6/2016 7:18:33 PM



#56
2,4-Dinitrotoluene
Concen: 39.51 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	185638		
63	25.5	22.0	33.0	
89	48.8	41.1	61.7	
182	2.3	2.0	3.0	





#57

Fluorene

Concen: 31.14 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

ClientSampleId :

PB91070BS

Tot Ion:166 Resp: 479287

Ion Ratio Lower Upper

166 100

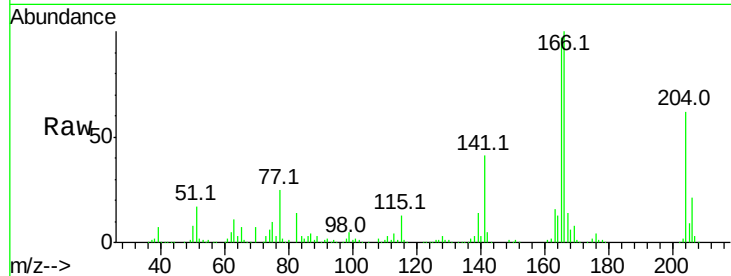
165 97.0 77.8 116.8

167 13.7 11.2 16.8

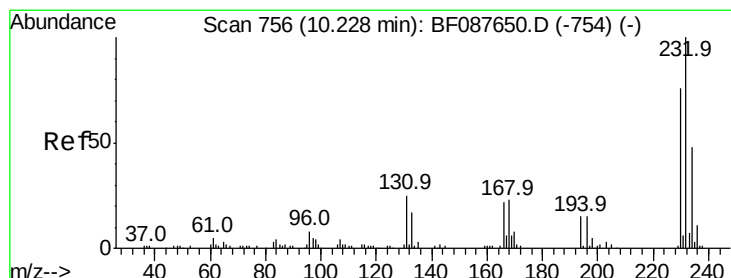
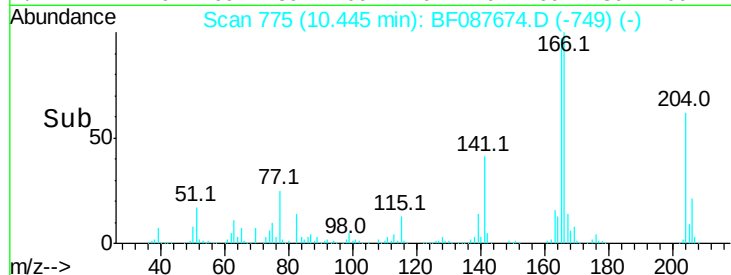
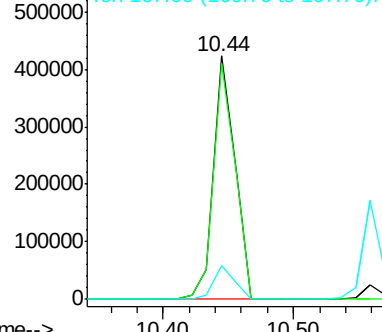
Manual Integrations
APPROVED

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6/6/2016 7:18:33 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.37 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:232 Resp: 127913

Ion Ratio Lower Upper

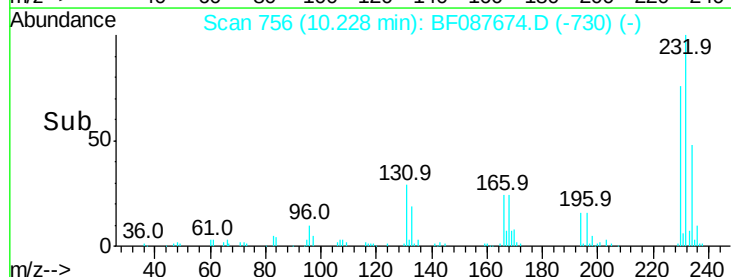
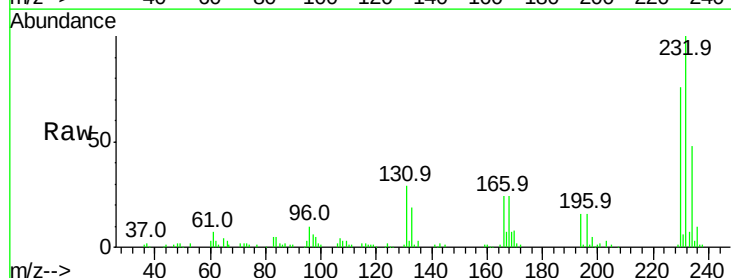
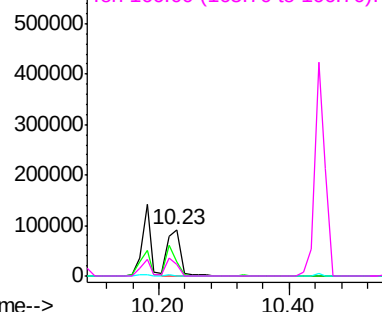
232 100

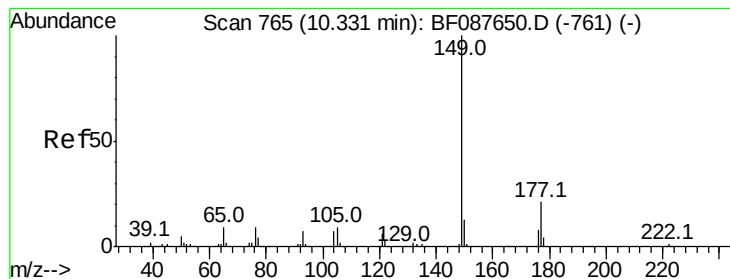
131 51.4 0.9 1.3#

130 2.4 1.5 2.3#

166 33.1 0.5 0.7#

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





#59

Diethylphthalate

Concen: 34.06 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

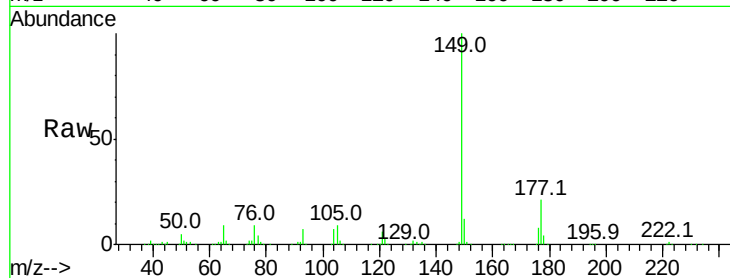
ClientSampleId :

PB91070BS

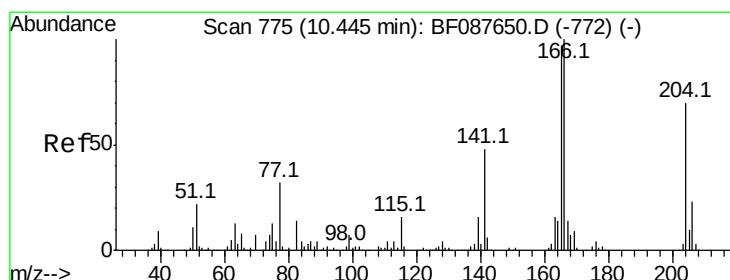
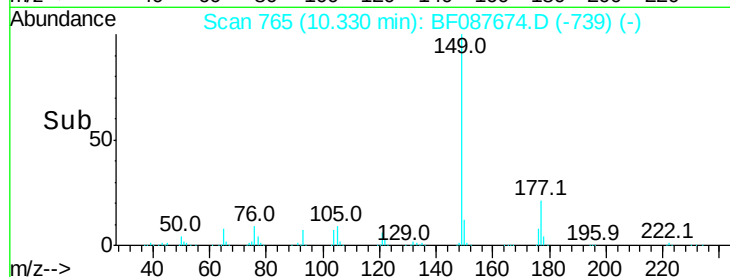
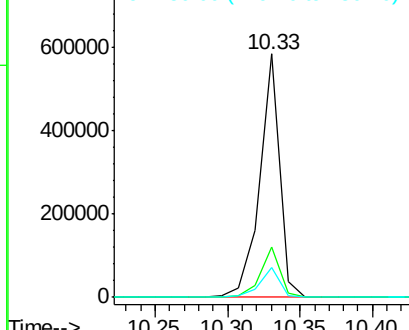
Tot Ion:	149	Resp:	554715
Ion Ratio	Lower	Upper	
149	100		
177	20.8	16.9	25.3
150	12.4	10.1	15.1

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6/6/2016 7:18:33 PM



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



#60

4-Chlorophenyl-phenylether

Concen: 34.39 ng

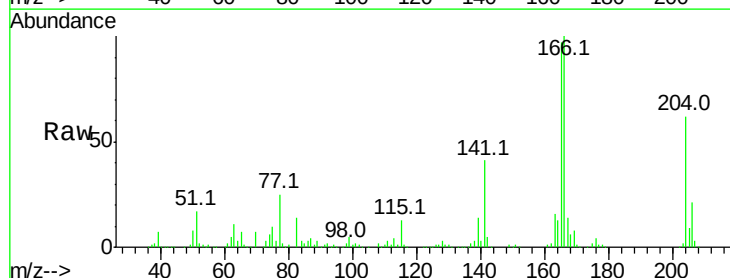
RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

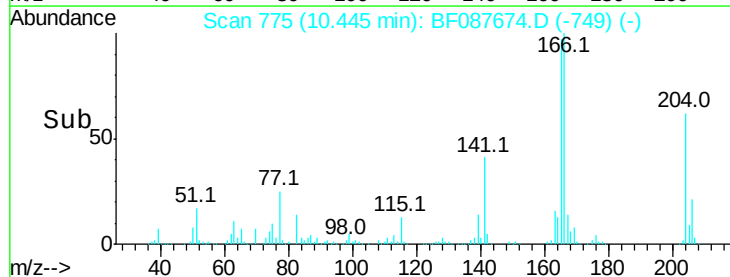
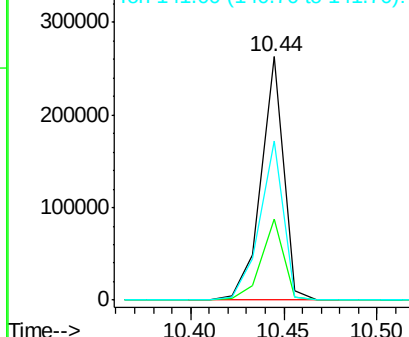
Lab File: BF087674.D

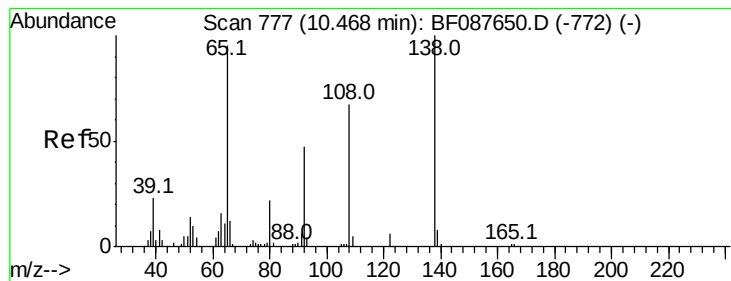
Acq: 4 Jun 2016 19:16

Tgt Ion:	204	Resp:	223666
Ion Ratio	Lower	Upper	
204	100		
206	33.5	26.3	39.5
141	65.6	55.0	82.6



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





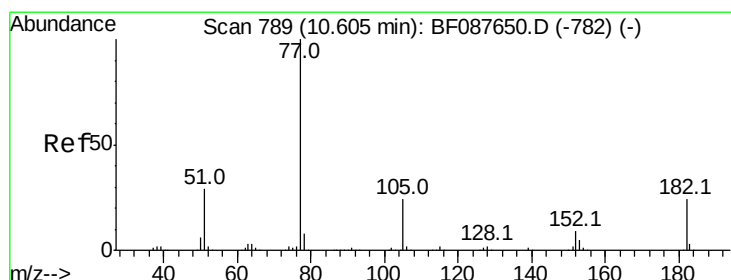
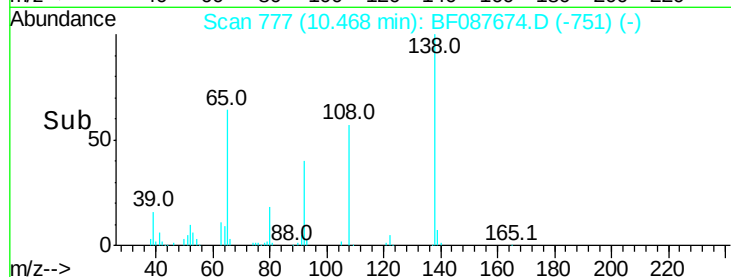
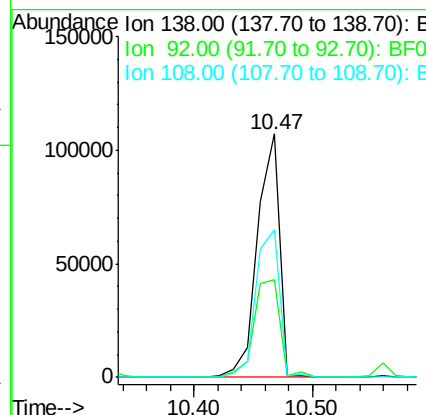
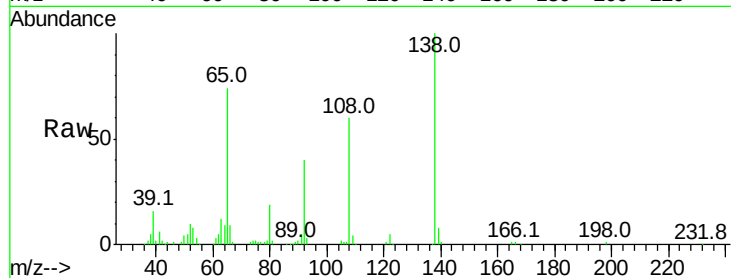
#61
4-Nitroaniline
Concen: 34.42 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampled :
PB91070BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	39.9	27.3	67.3
108	60.4	46.7	86.7

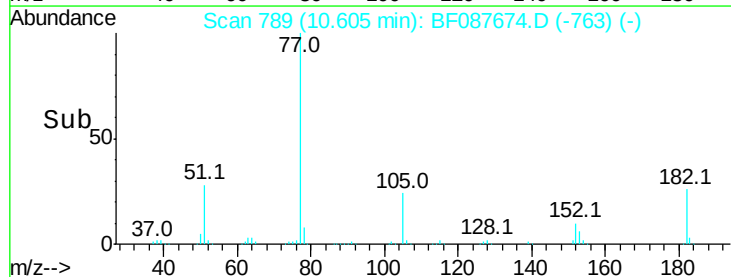
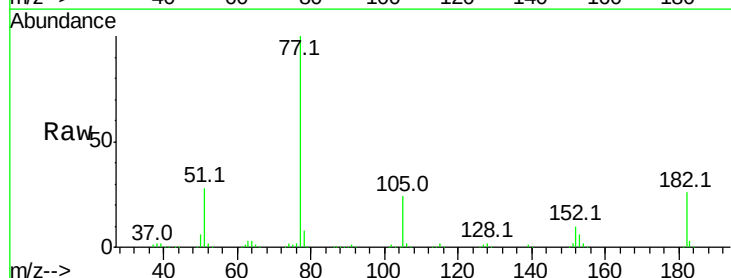
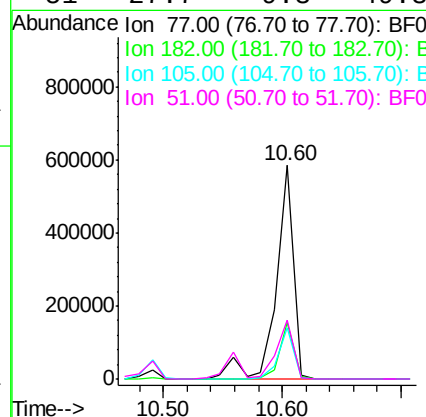
Manual Integrations
APPROVED

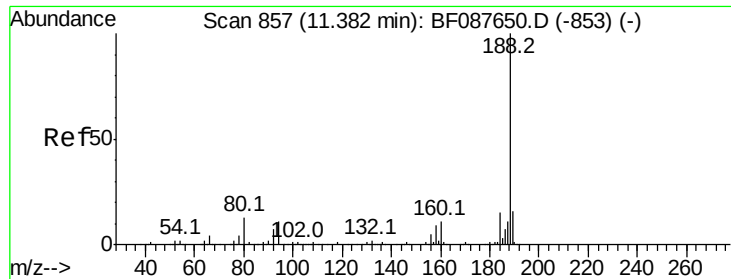
SOHIL
6/6/2016 7:18:33 PM



#62
Azobenzene
Concen: 36.83 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.4	4.4	44.4
105	24.3	3.8	43.8
51	27.7	9.3	49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

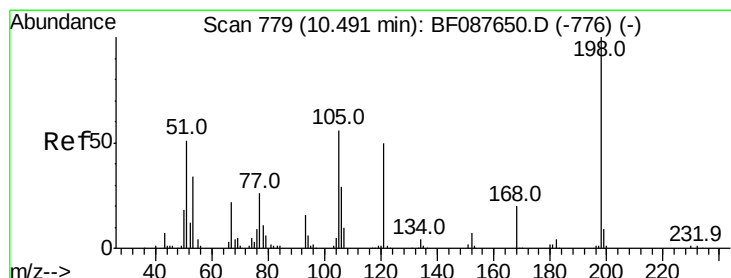
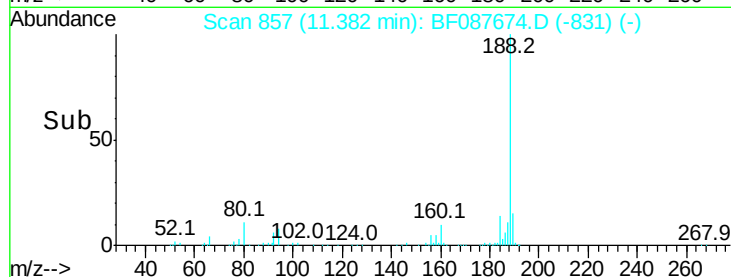
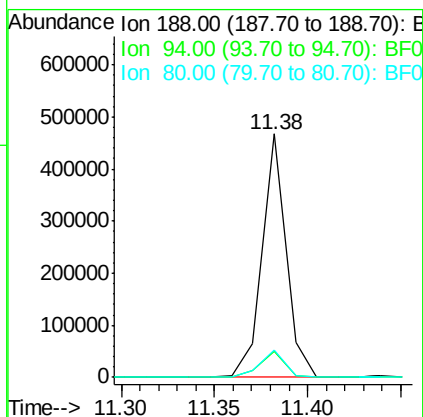
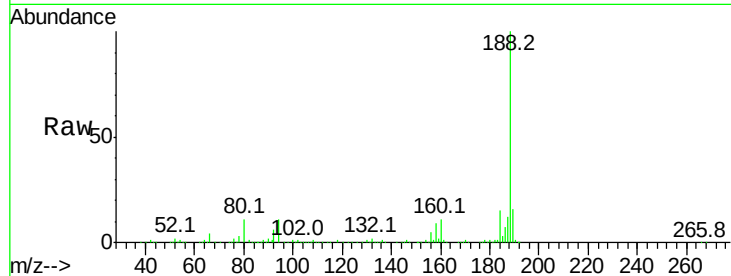
ClientSampleId :

PB91070BS

Tot Ion:	188	Resp:	415047
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.0	13.6
80	11.2	10.0	15.0

Manual Integrations
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6/6/2016 7:18:33 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 37.40 ng

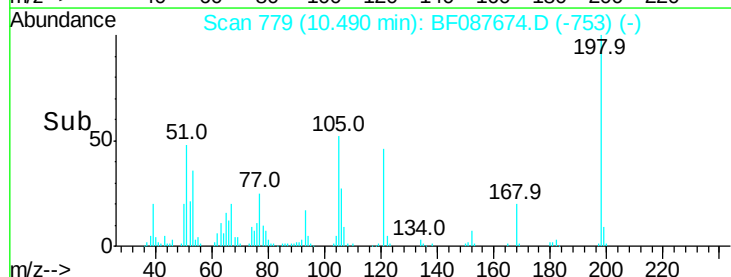
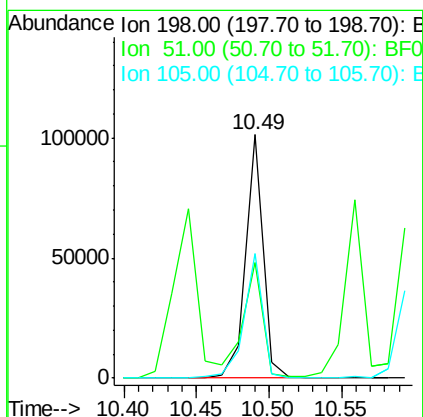
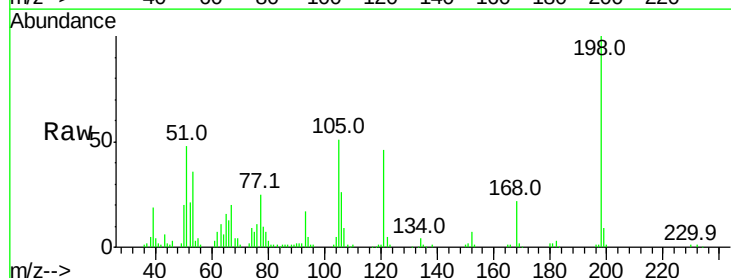
RT: 10.49 min Scan# 779

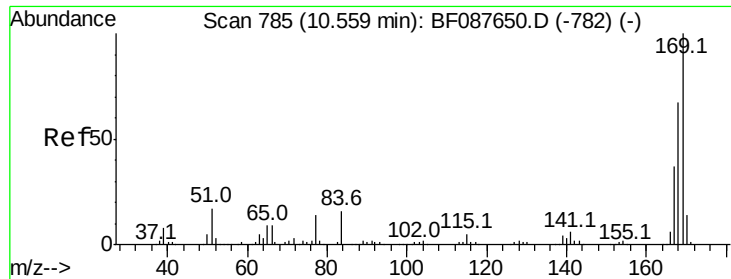
Delta R.T. 0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	198	Resp:	85221
Ion Ratio	Lower	Upper	
198	100		
51	47.7	39.6	79.6
105	51.3	36.6	76.6





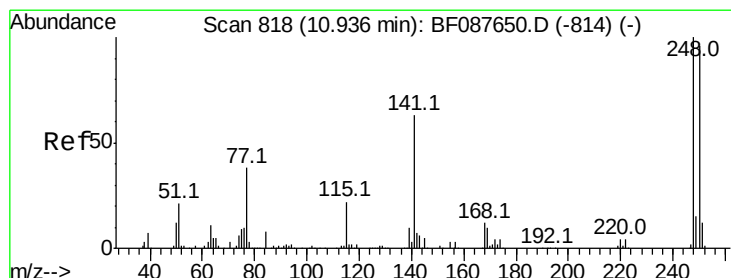
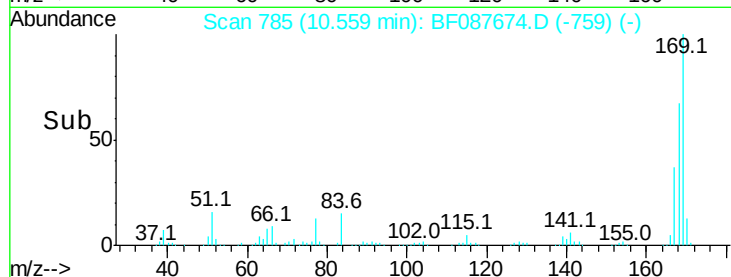
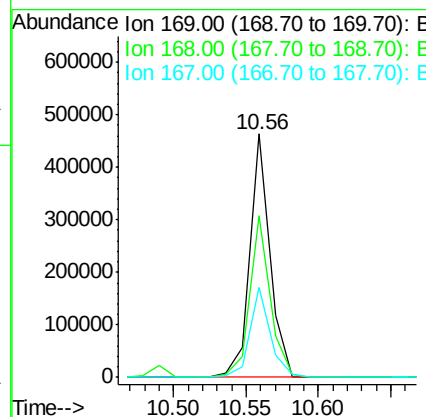
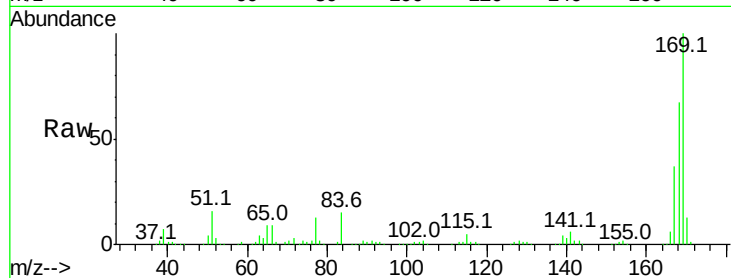
#65
 n-Nitrosodiphenylamine
 Concen: 32.74 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	66.7	53.4	80.0	
167	37.2	29.4	44.0	

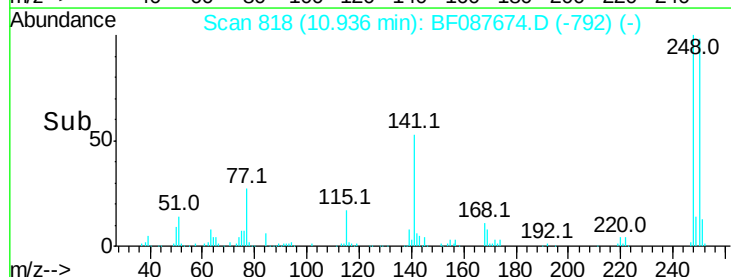
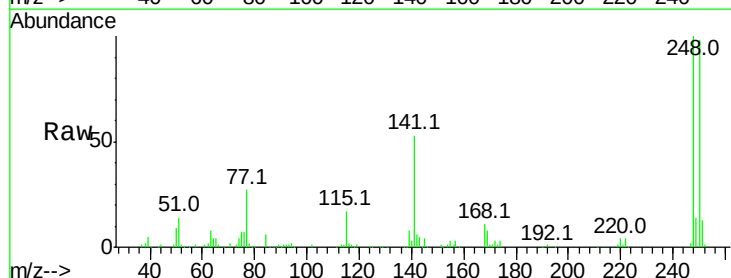
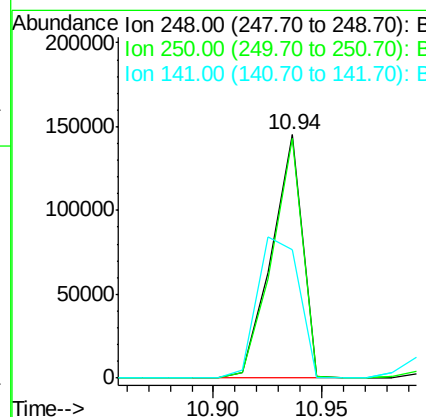
Manual Integrations
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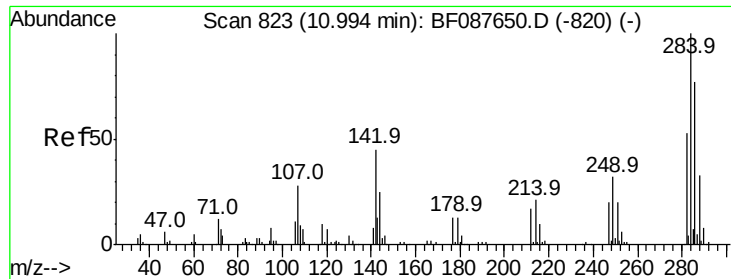
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#66
 4-Bromophenyl-phenylether
 Concen: 35.41 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	98.4	77.1	115.7	
141	52.7	50.6	76.0	





#67

Hexachlorobenzene

Concen: 32.59 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

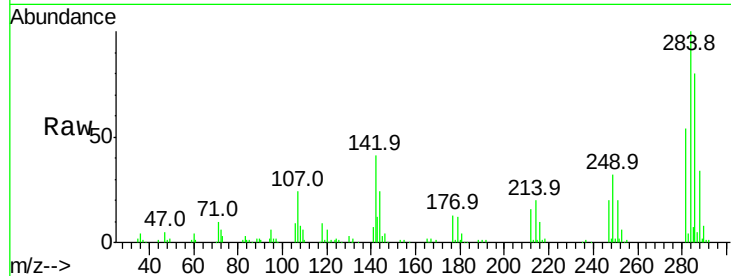
ClientSampleId :

PB91070BS

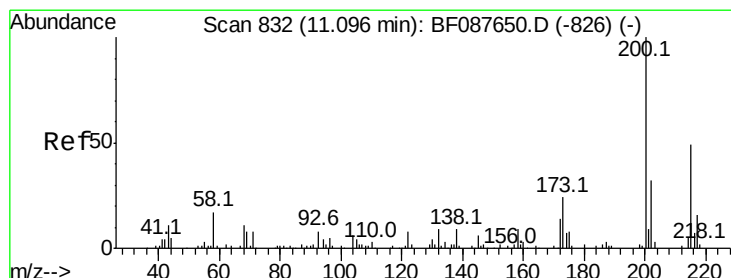
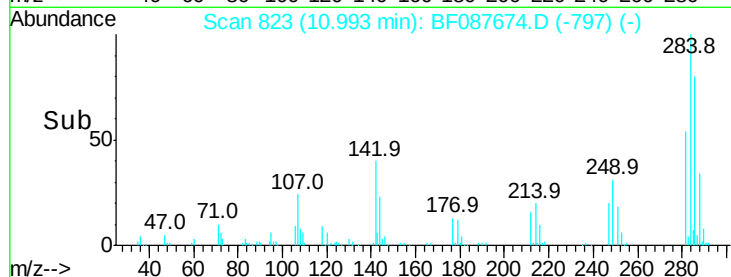
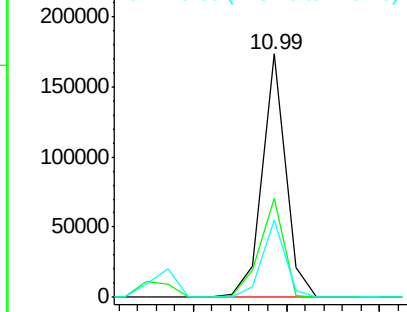
Tot Ion	Ratio	Resp	Lower	Upper
284	100	149967		
142	40.7	35.8	53.8	
249	31.7	25.8	38.6	

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



#68

Atrazine

Concen: 31.22 ng

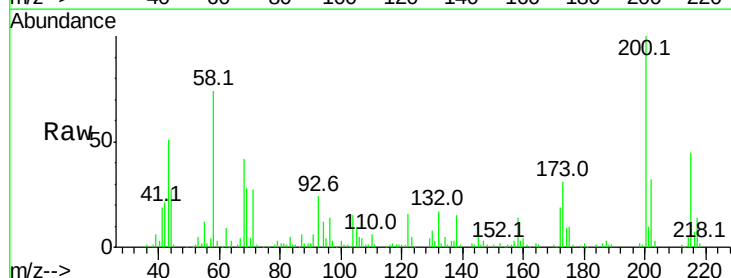
RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

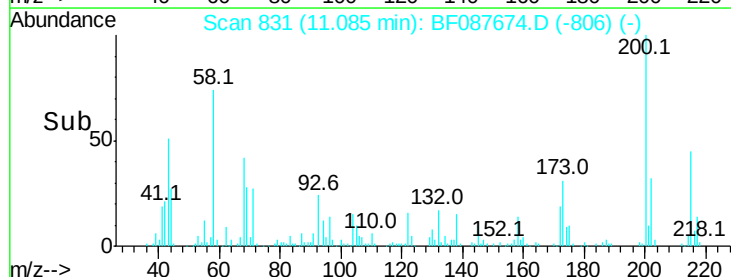
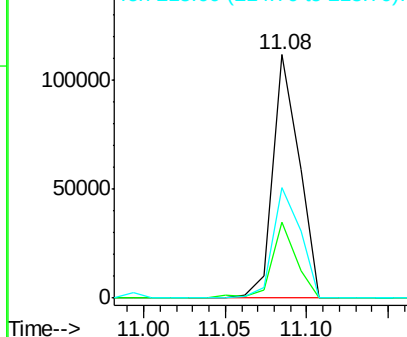
Lab File: BF087674.D

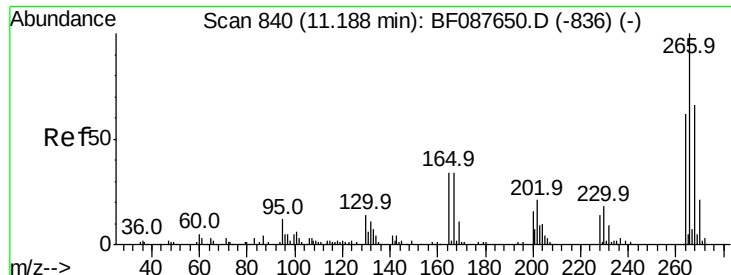
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	125730		
173	31.1	4.0	44.0	
215	45.2	29.3	69.3	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





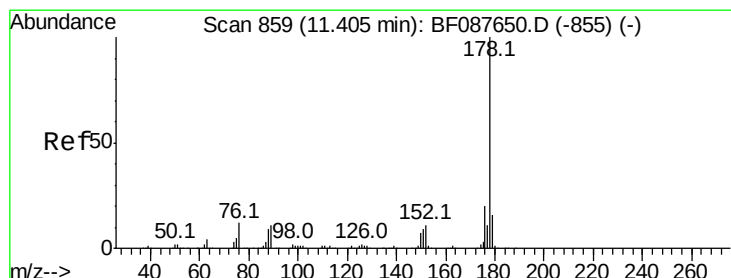
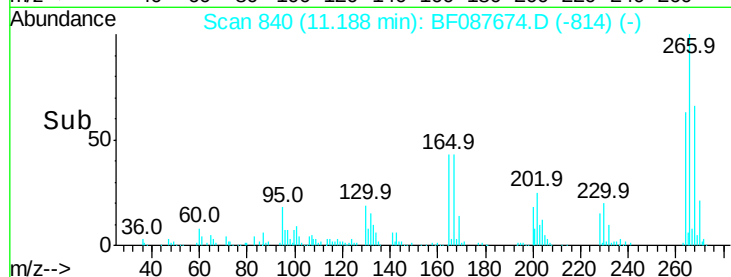
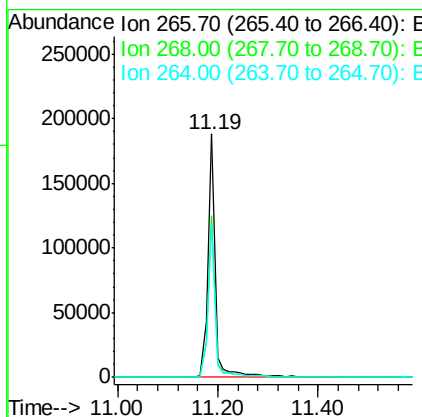
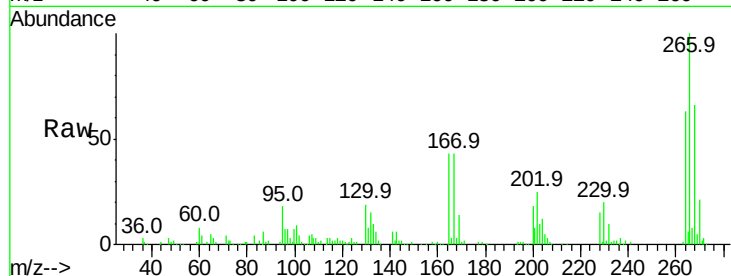
#69
 Pentachlorophenol
 Concen: 70.50 ng
 RT: 11.19 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	192796		
268	66.3	52.8	79.2	
264	62.8	49.6	74.4	

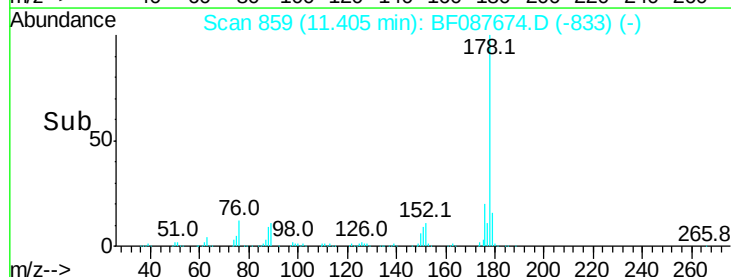
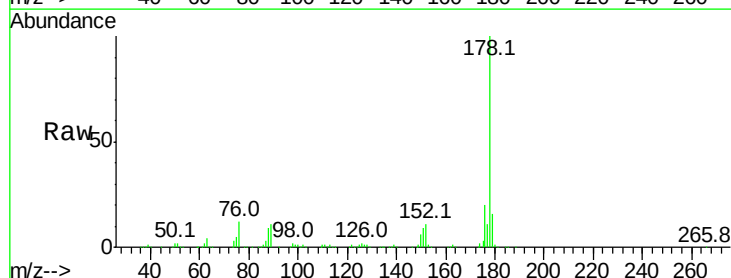
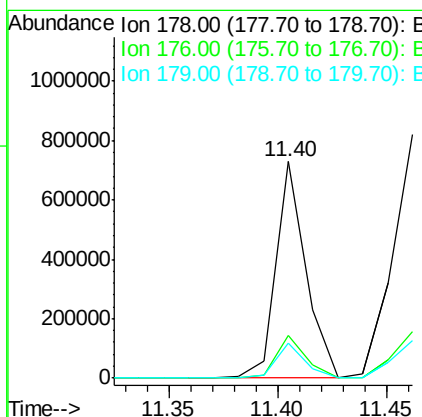
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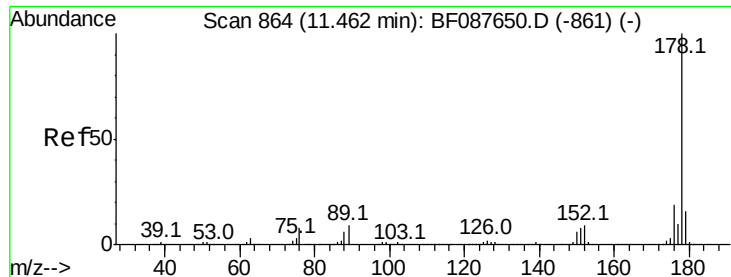
SOHIL
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#70
 Phenanthrene
 Concen: 31.29 ng
 RT: 11.40 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	704111		
176	19.8	15.8	23.6	
179	15.9	13.0	19.4	





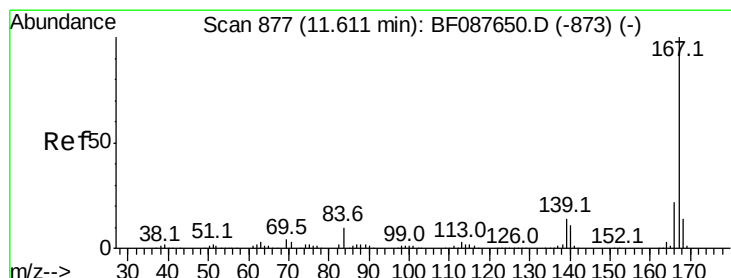
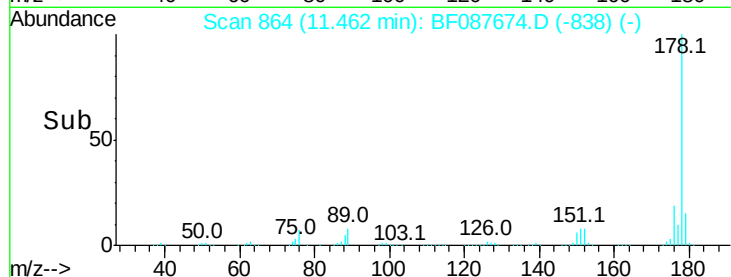
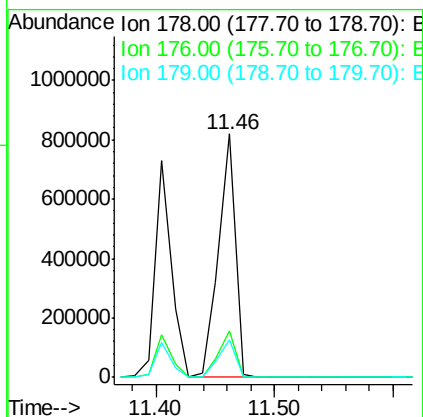
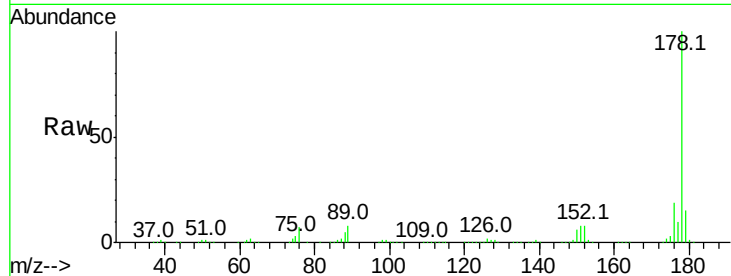
#71
 Anthracene
 Concen: 35.62 ng
 RT: 11.46 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampled :
 PB91070BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.5	12.8	19.2

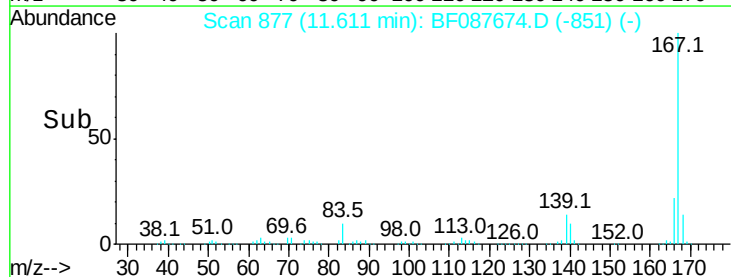
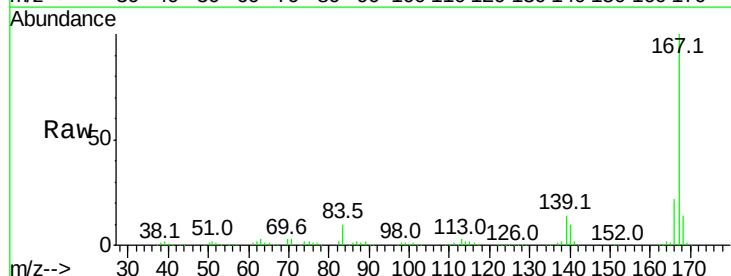
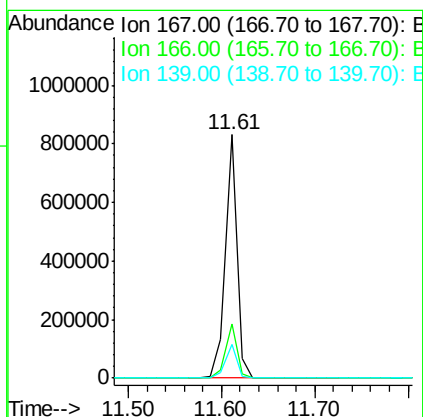
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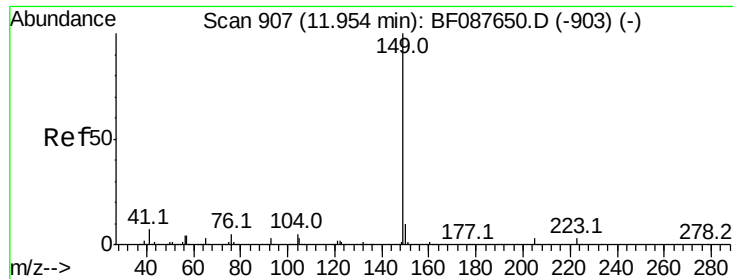
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 6/6/2016 7:18:33 PM



#72
 Carbazole
 Concen: 33.47 ng
 RT: 11.61 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	13.7	11.2	16.8





#73

Di-n-butylphthalate

Concen: 38.15 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

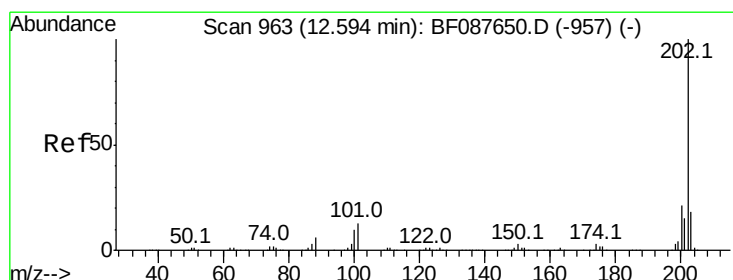
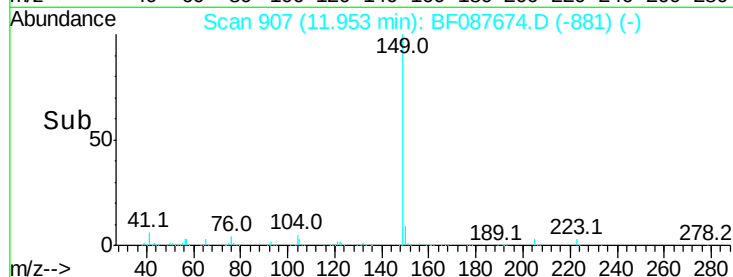
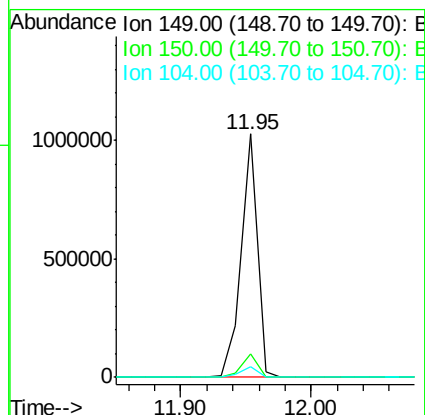
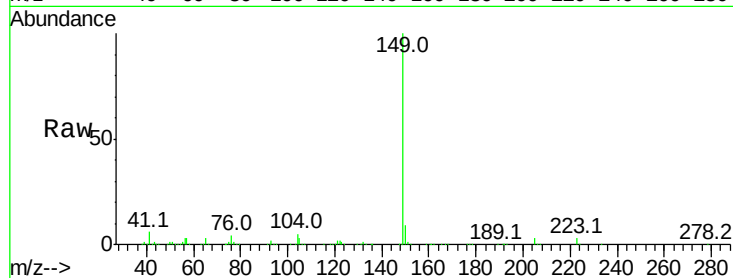
ClientSampleId :

PB91070BS

Manual Integrations
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6/6/2016 7:18:33 PM

Tot Ion:	149	Resp:	872968
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.8	11.6
104	4.5	4.0	6.0



#74

Fluoranthene

Concen: 35.91 ng

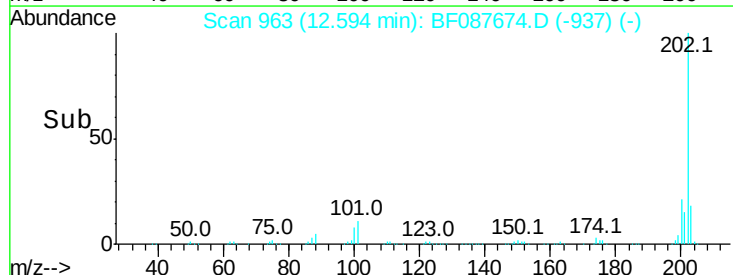
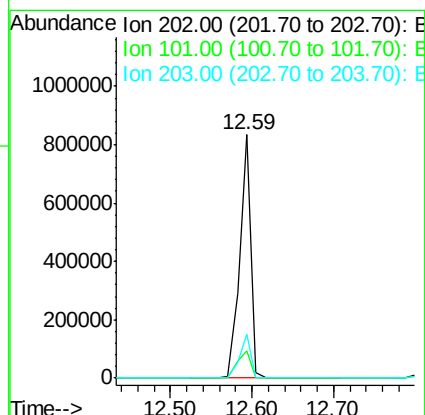
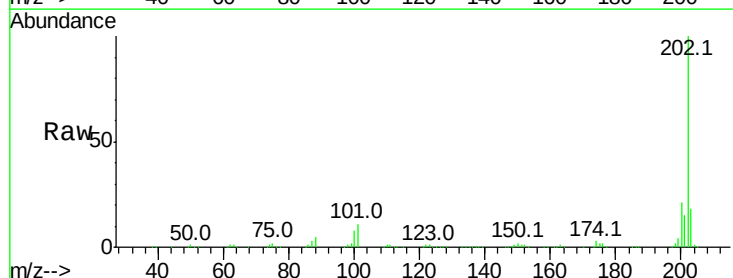
RT: 12.59 min Scan# 963

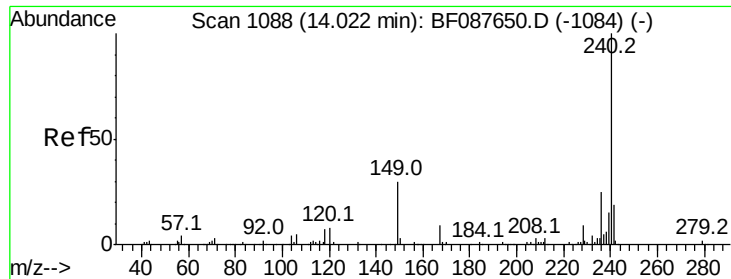
Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	202	Resp:	795308
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	33.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

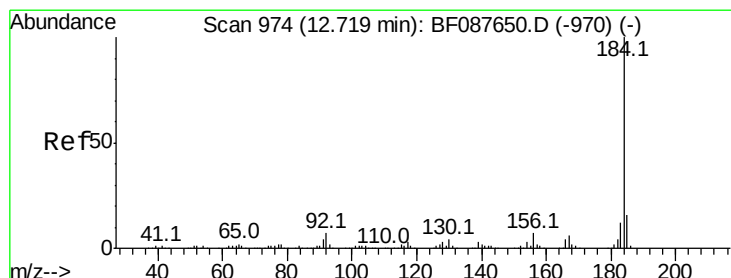
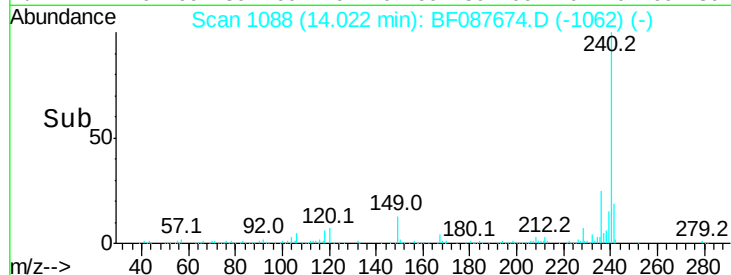
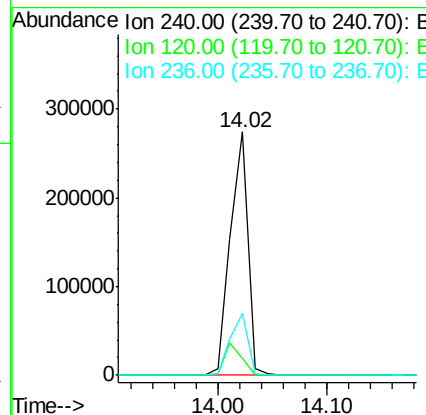
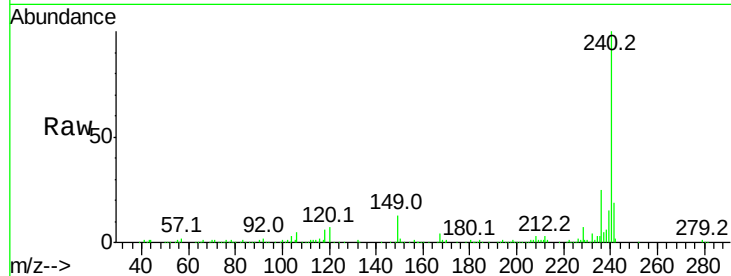
ClientSampleId :

PB91070BS

Tot Ion:	240	Resp:	307456
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.8	10.2
236	25.3	20.2	30.2

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#76

Benzidine

Concen: 15.69 ng

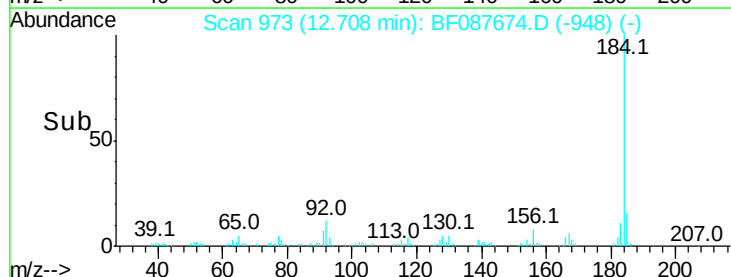
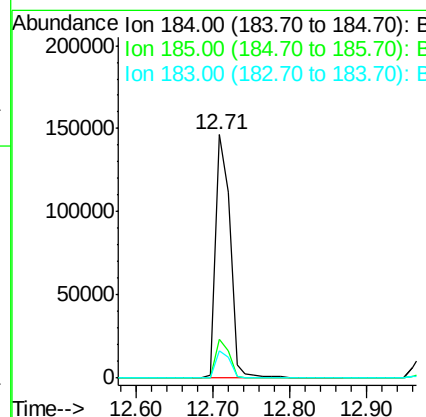
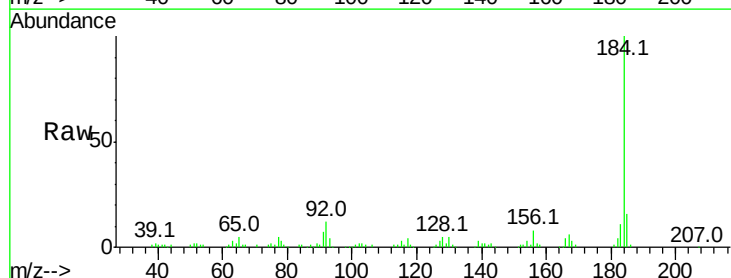
RT: 12.71 min Scan# 973

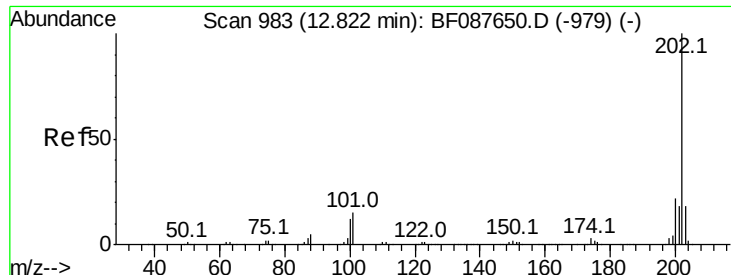
Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:	184	Resp:	190234
Ion Ratio	Lower	Upper	
184	100		
185	16.1	12.5	18.7
183	11.3	9.3	13.9





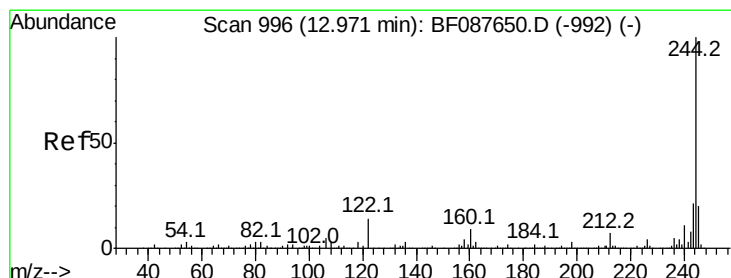
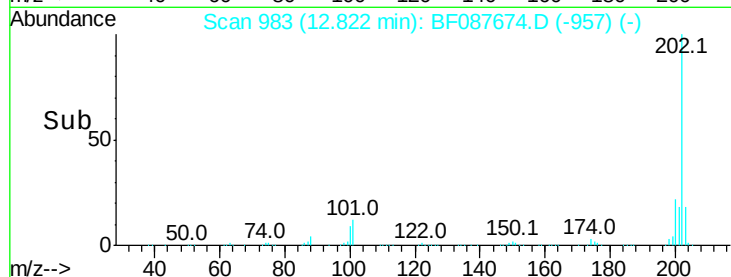
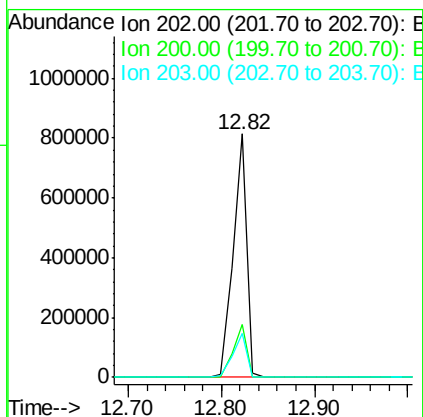
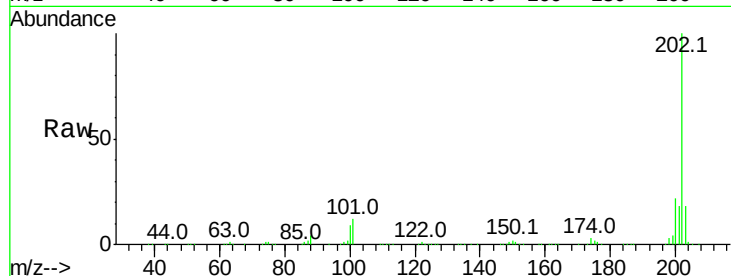
#77
Pvrene
Concen: 37.93 ng
RT: 12.82 min Scan# 983
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.8	14.5	21.7

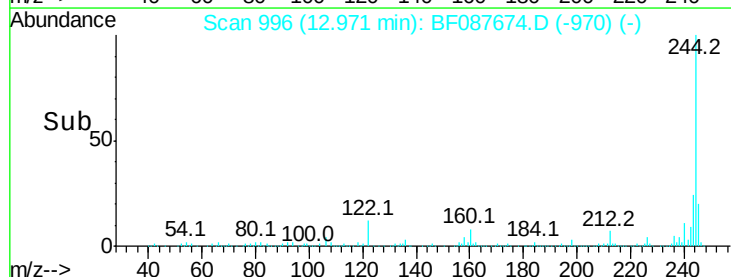
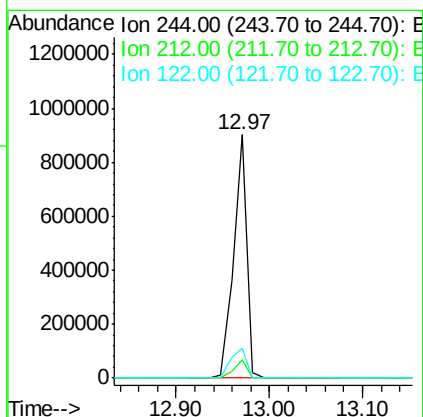
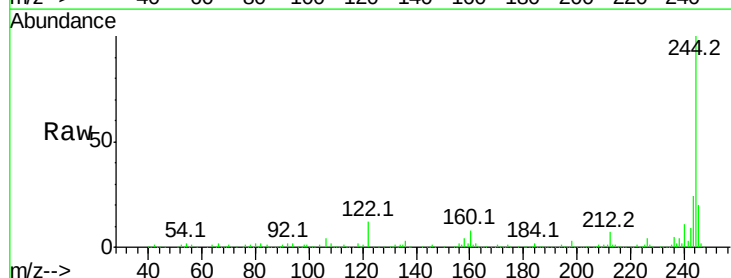
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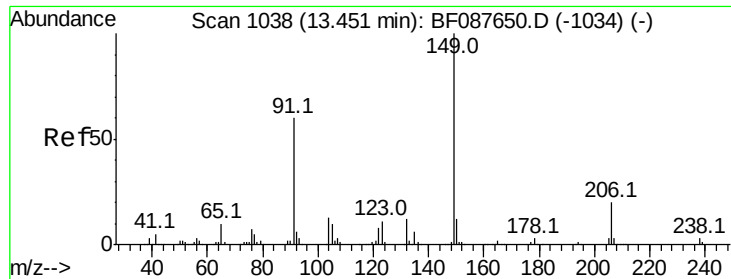
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#78
Terphenyl-d14
Concen: 70.81 ng
RT: 12.97 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.4	11.2	16.8





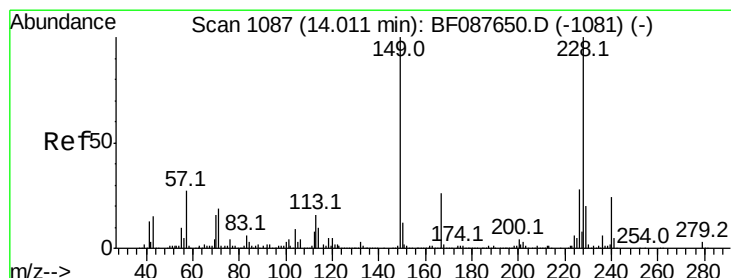
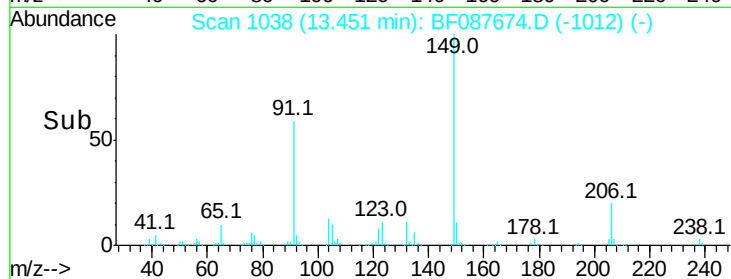
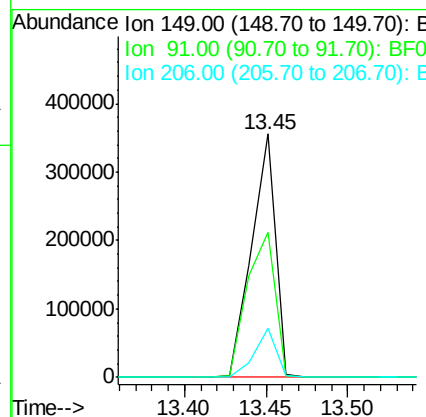
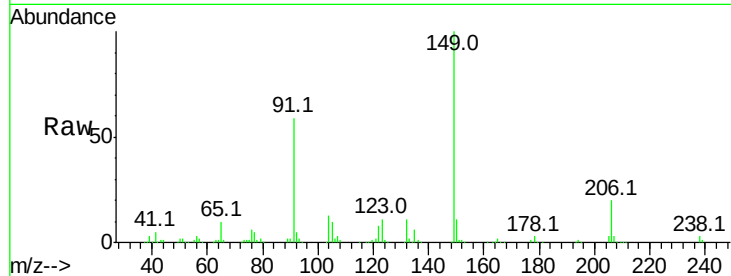
#79
Butylbenzylphthalate
Concen: 38.78 ng
RT: 13.45 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampleId :
PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	361298		
91	59.4	48.0	72.0	
206	20.1	16.0	24.0	

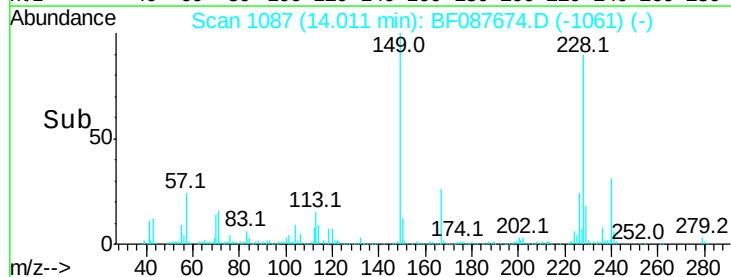
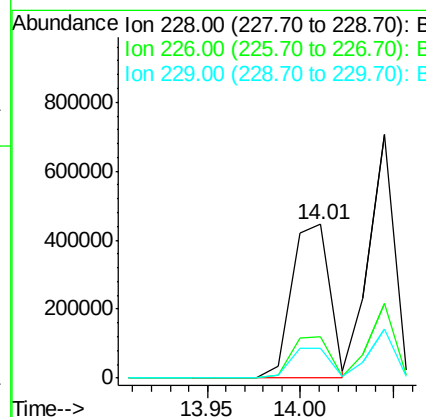
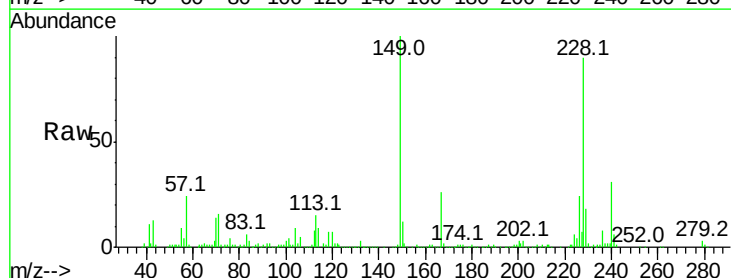
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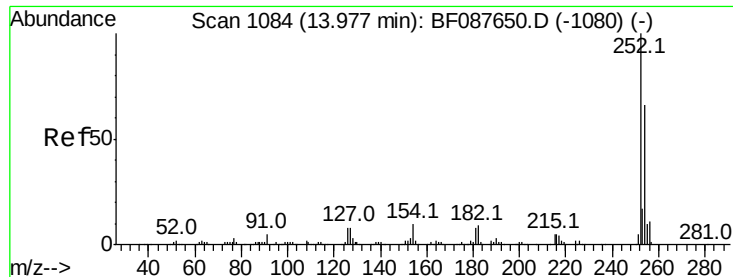
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#80
Benzo(a)anthracene
Concen: 35.67 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	632975		
226	26.9	22.3	33.5	
229	19.8	16.0	24.0	





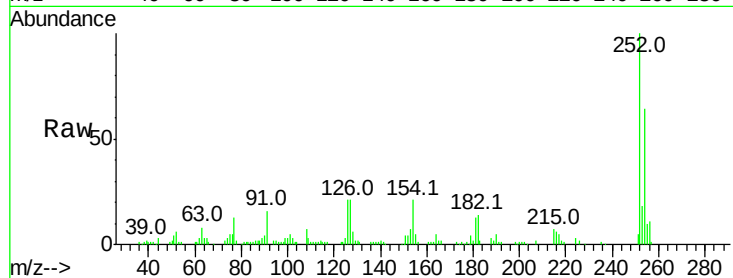
#81
 3,3'-Dichlorobenzidine
 Concen: 19.97 ng
 RT: 13.97 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.8	52.6	78.8
126	21.1	6.2	9.2#

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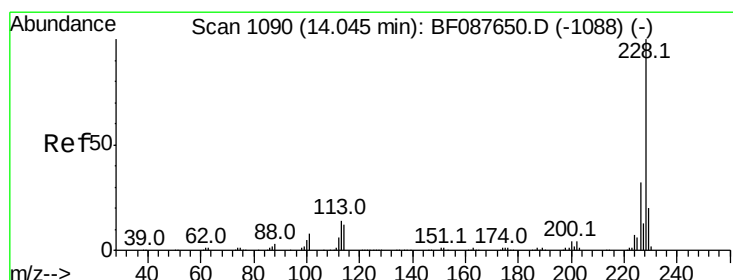
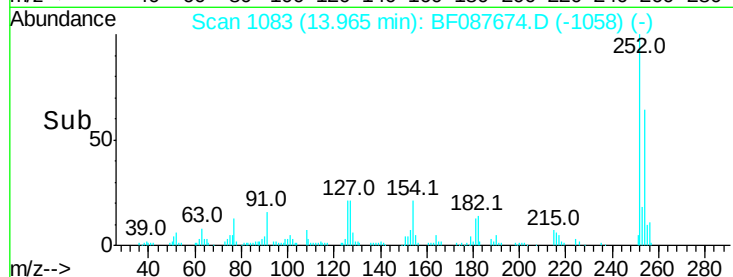
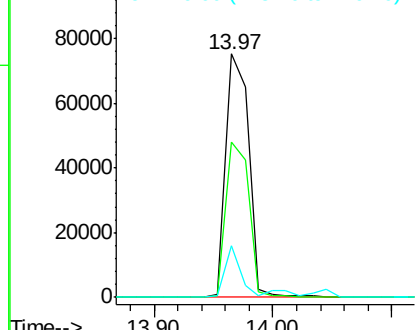


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 37.92 ng
 RT: 14.05 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

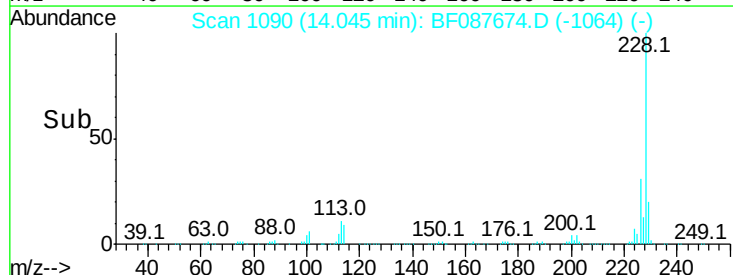
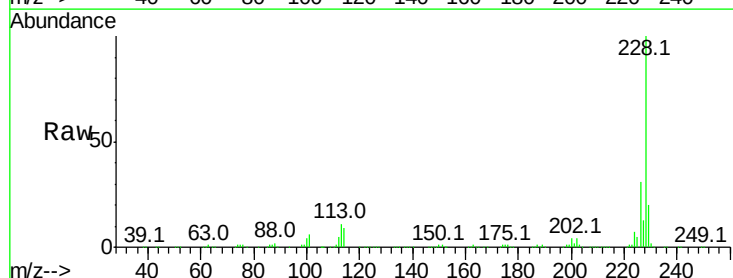
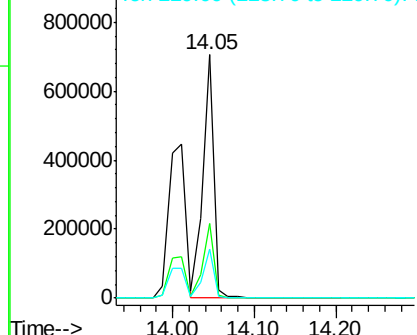
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	25.4	38.2
229	20.0	16.3	24.5

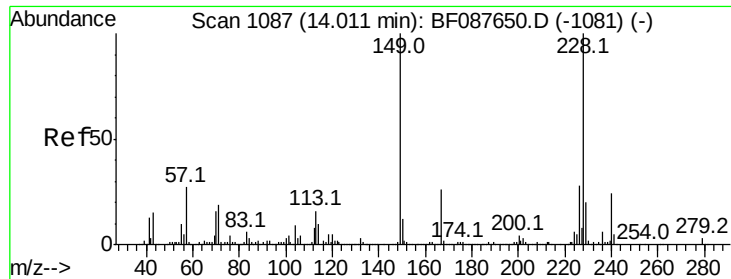
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





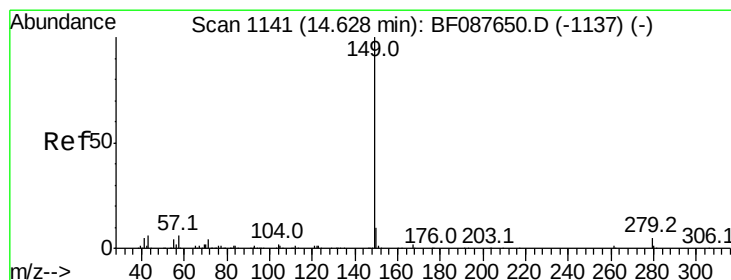
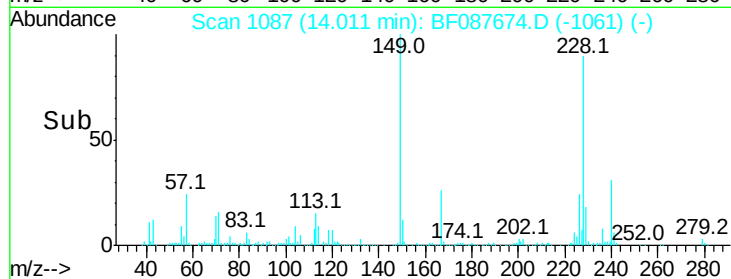
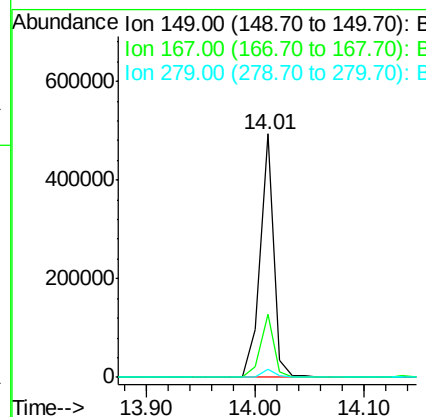
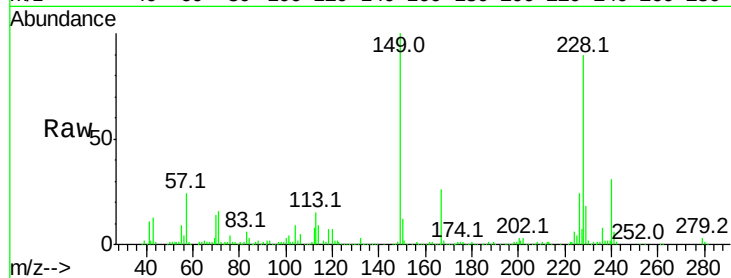
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.18 ng
 RT: 14.01 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.2	20.5	30.7	
279	3.1	2.0	3.0#	

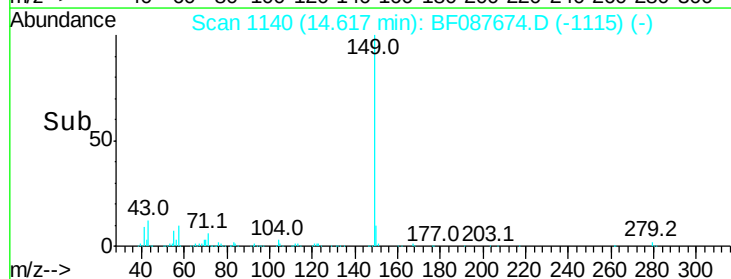
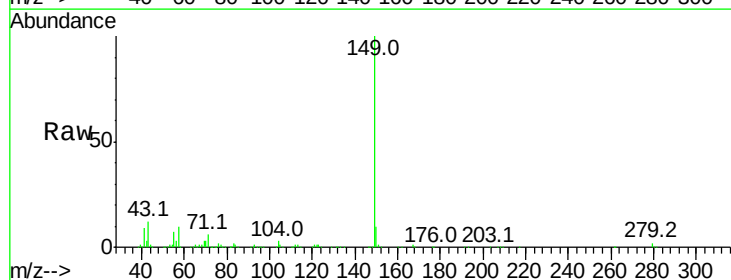
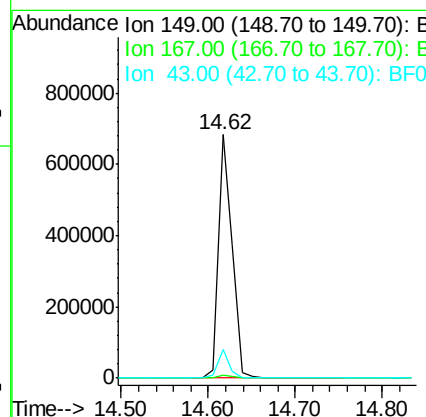
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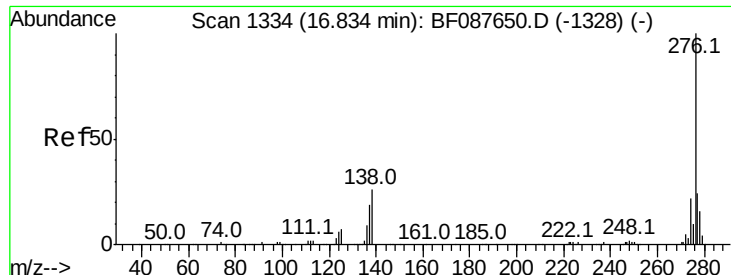
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#84
 Di-n-octyl phthalate
 Concen: 36.99 ng
 RT: 14.62 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	0.0	0.0#	
43	9.9	0.0	0.0#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 36.14 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

ClientSampleId :

PB91070BS

Tot Ion:276 Resp: 527599

Ion Ratio Lower Upper

276 100

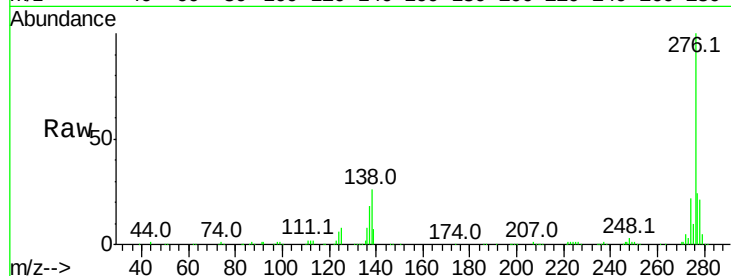
138 29.7 0.0 0.0#

277 24.9 0.0 0.0#

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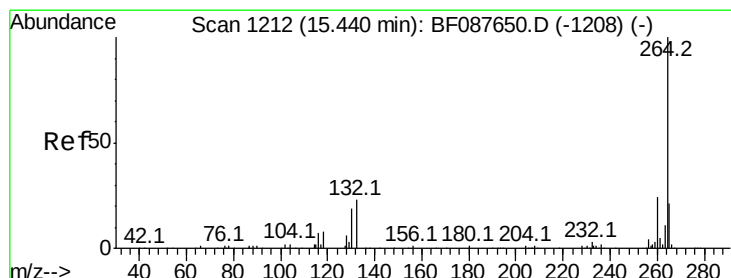
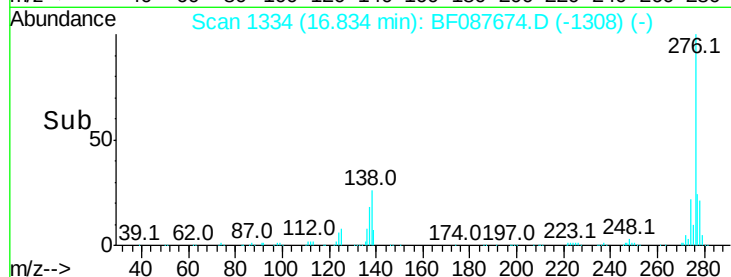
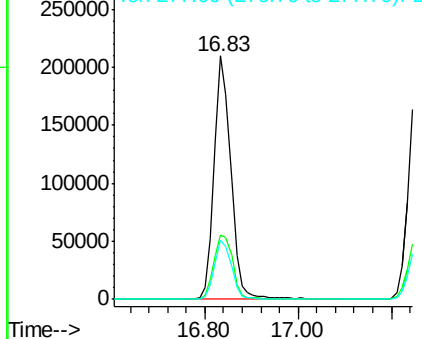
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

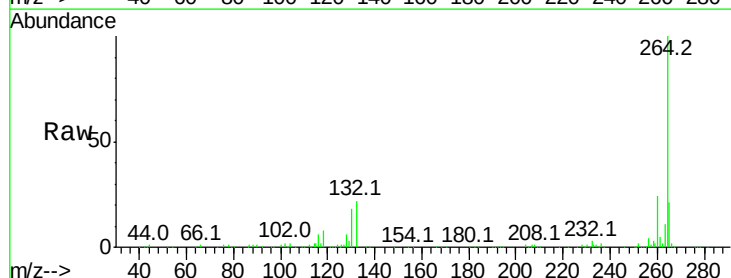
Tgt Ion:264 Resp: 279900

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

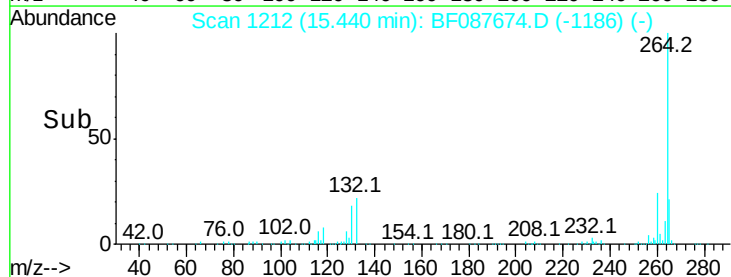
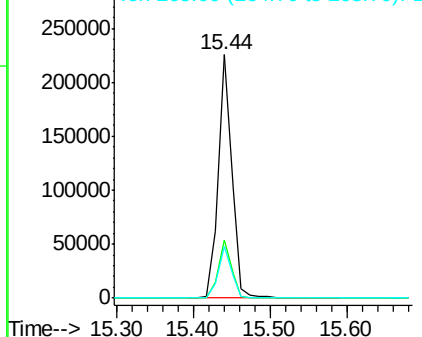
265 21.3 16.9 25.3

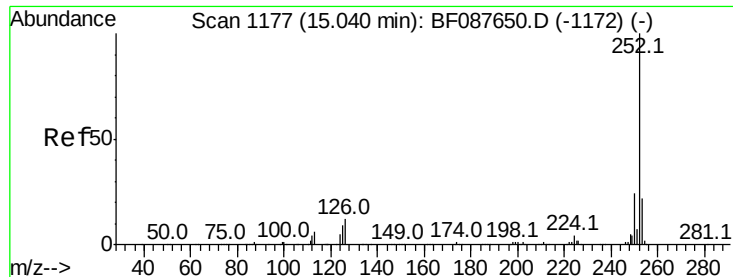


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 36.86 ng m

RT: 15.03 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Instrument :

BNA_F

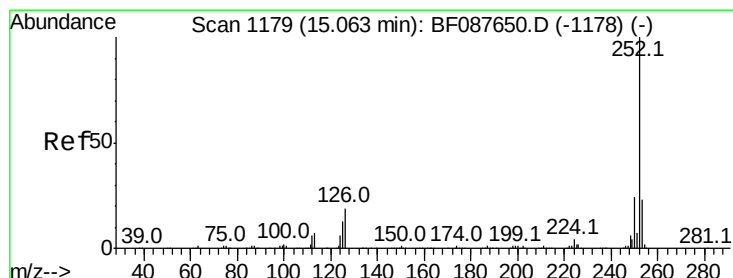
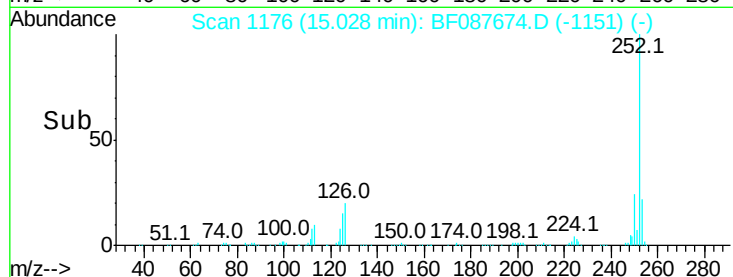
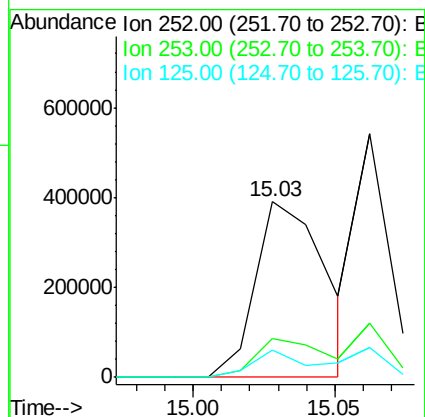
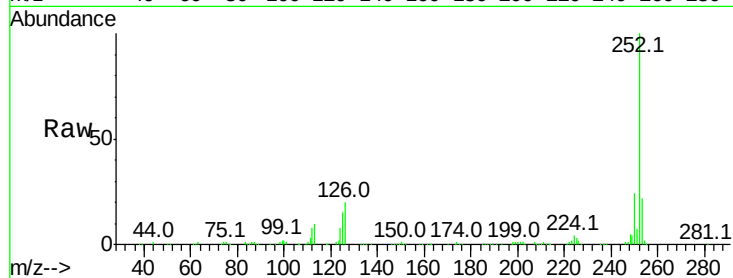
ClientSampleId :

PB91070BS

Tot Ion:252	Resp:	671144
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.4 26.2
125	15.3	7.1 10.7#

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#88

Benzo(k)fluoranthene

Concen: 30.55 ng m

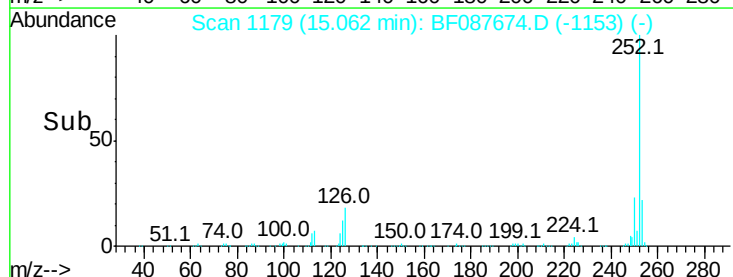
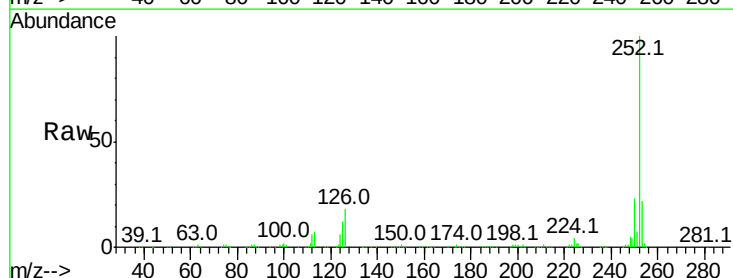
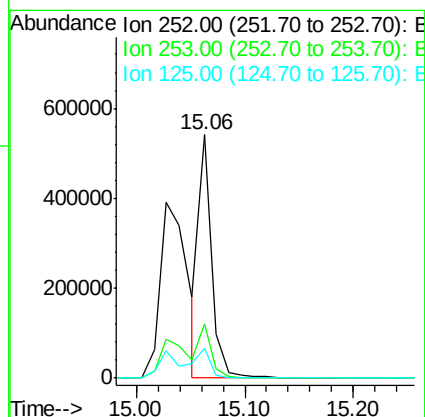
RT: 15.06 min Scan# 1179

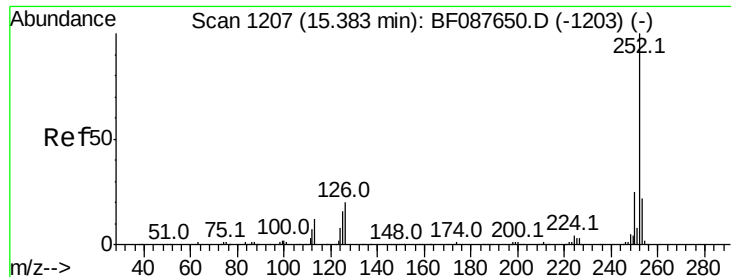
Delta R.T. 0.00 min

Lab File: BF087674.D

Acq: 4 Jun 2016 19:16

Tgt Ion:252	Resp:	462796
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.0 27.0
125	12.4	11.2 16.8





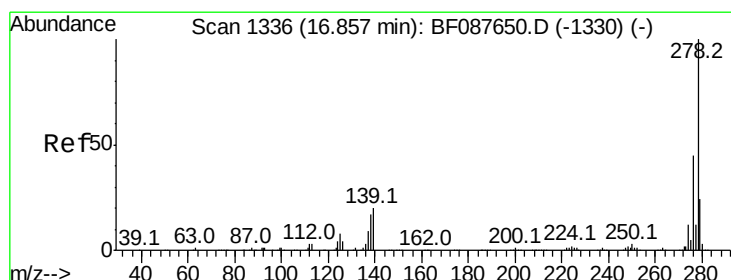
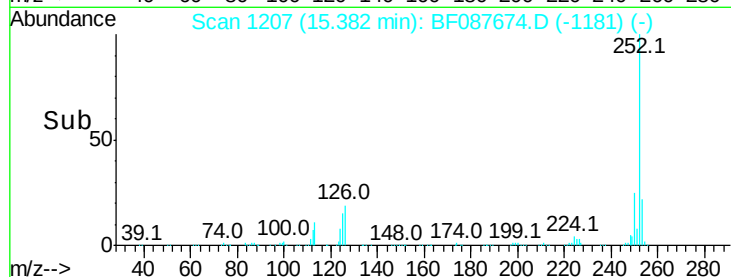
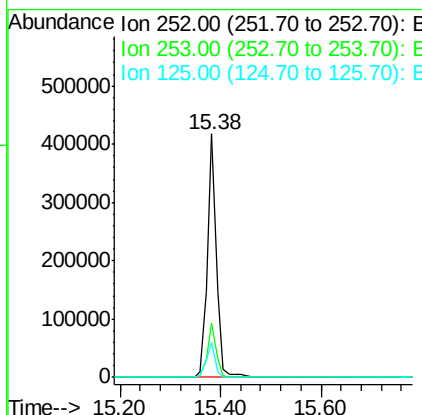
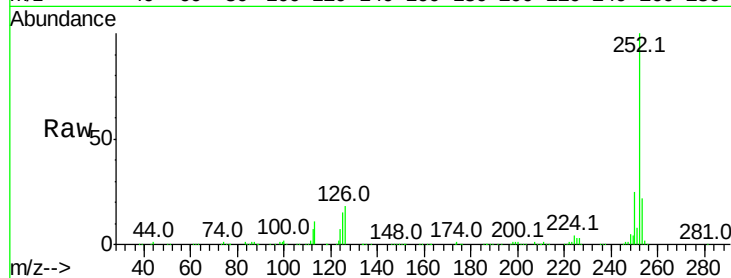
#89
Benzo(a)pyrene
Concen: 34.31 ng
RT: 15.38 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Instrument :
BNA_F
ClientSampled :
PB91070BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	14.5	12.5	18.7

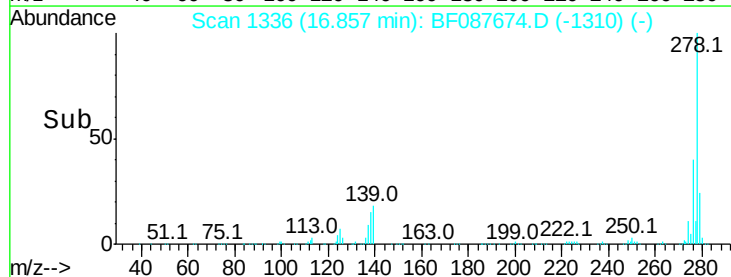
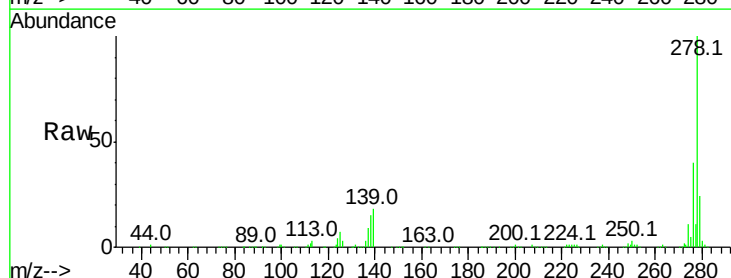
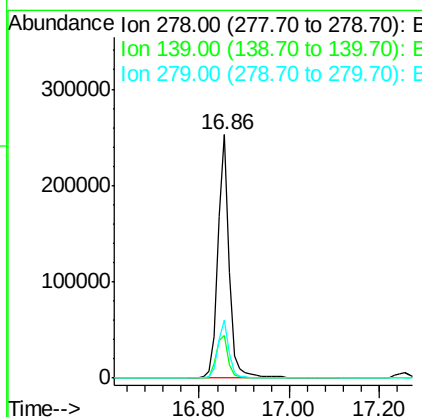
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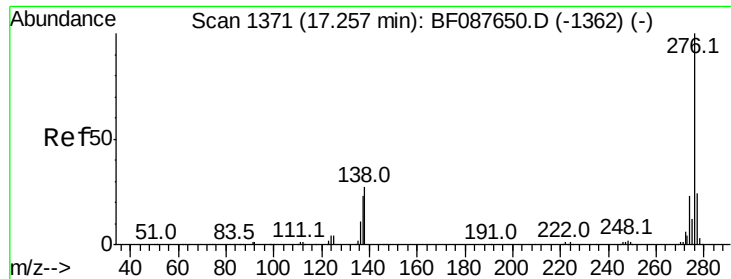
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#90
Dibenzo(a,h)anthracene
Concen: 33.87 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF087674.D
Acq: 4 Jun 2016 19:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.7	23.5
279	23.9	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 33.67 ng
 RT: 17.26 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BF087674.D
 Acq: 4 Jun 2016 19:16

Instrument :
 BNA_F
 ClientSampleId :
 PB91070BS

Tot Ion:	276	Resp:	442442
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.9	28.3
138	24.4	21.4	32.2

Manual Integrations
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 6/6/2016 7:18:33 PM

