

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
 Data File : BF087673.D
 Acq On : 4 Jun 2016 18:46
 Operator : UM/SJ
 Sample : PB91074BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Manual Integrations
 APPROVED

SOHIL
 6/6/2016 7:18:28 PM

Quant Time: Jun 05 01:46:13 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	110907	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	473953	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	218300	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	395257	20.00	ng	0.00
75) Chrysene-d12	14.02	240	293635	20.00	ng	0.00
86) Perylene-d12	15.44	264	251960	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	751647	109.54	ng	0.01
7) Phenol-d6	6.49	99	1018426	118.35	ng	0.00
23) Nitrobenzene-d5	7.43	82	668061	81.55	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	288213	131.53	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1215729	85.71	ng	0.00
78) Terphenyl-d14	12.97	244	986779	82.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	105093	31.69	ng	# 24
3) Pyridine	3.28	79	335656	38.31	ng	96
4) n-Nitrosodimethylamine	3.23	42	146944	39.70	ng	99
6) Aniline	6.52	93	271862	22.29	ng	98
8) 2-Chlorophenol	6.64	128	318109	40.29	ng	97
9) Benzaldehyde	6.40	77	18143	3.12	ng	88
10) Phenol	6.50	94	426989	43.58	ng	94
11) bis(2-Chloroethyl)ether	6.59	93	278080	39.06	ng	99
12) 1,3-Dichlorobenzene	6.80	146	325308	38.48	ng	99
13) 1,4-Dichlorobenzene	6.88	146	347864	41.01	ng	99
14) 1,2-Dichlorobenzene	7.03	146	299705m	37.69	ng	
15) Benzyl Alcohol	7.00	79	242024	38.07	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	409919	39.48	ng	97
17) 2-Methylphenol	7.12	107	284702	44.91	ng	95
18) Hexachloroethane	7.37	117	119869	40.41	ng	# 83
19) n-Nitroso-di-n-propylamine	7.28	70	208651	38.82	ng	97
20) 3+4-Methylphenols	7.27	107	316178	40.70	ng	91
22) Acetophenone	7.27	105	426356	39.72	ng	# 81
24) Nitrobenzene	7.44	77	302143	36.85	ng	# 86
25) Isophorone	7.69	82	606758	40.68	ng	96
26) 2-Nitrophenol	7.76	139	154843	40.65	ng	97
27) 2,4-Dimethylphenol	7.80	122	333510	42.24	ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	354154	37.44	ng	97
29) 2,4-Dichlorophenol	8.00	162	260472	40.17	ng	100
30) 1,2,4-Trichlorobenzene	8.09	180	283575	41.76	ng	99
31) Naphthalene	8.17	128	969227	42.06	ng	99
32) Benzoic acid	7.92	122	213766	44.88	ng	98
33) 4-Chloroaniline	8.22	127	139709	13.96	ng	95
34) Hexachlorobutadiene	8.30	225	139540	39.53	ng	98
35) Caprolactam	8.58	113	92139m	43.26	ng	
36) 4-Chloro-3-methylphenol	8.70	107	294936	43.97	ng	97
37) 2-Methylnaphthalene	8.86	142	598796	39.35	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	246830	41.03	ng	# 1
40) Hexachlorocyclopentadiene	9.02	237	275602	77.88	ng	99

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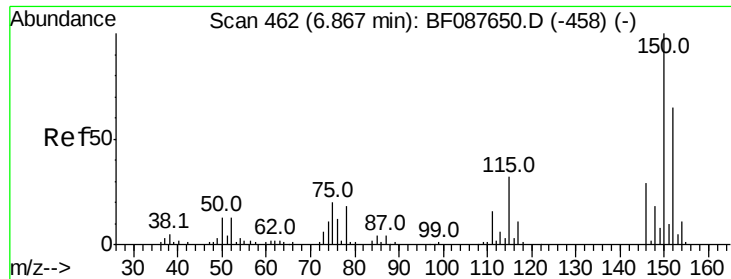
Manual Integrations
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Quant Time: Jun 05 01:46:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	187081	41.17	nq	99
43) 2,4,5-Trichlorophenol	9.18	196	195961	46.34	nq	# 90
45) 1,1'-Biphenyl	9.32	154	689955	38.94	nq	100
46) 2-Chloronaphthalene	9.35	162	553768	39.27	nq	99
47) 2-Nitroaniline	9.44	65	164536	41.43	nq	99
48) Acenaphthylene	9.77	152	936587	42.58	nq	99
49) Dimethylphthalate	9.63	163	723627	45.60	nq	100
50) 2,6-Dinitrotoluene	9.69	165	173497	48.05	nq	94
51) Acenaphthene	9.94	154	641513	45.33	nq	100
52) 3-Nitroaniline	9.85	138	91512	22.16	nq	98
53) 2,4-Dinitrophenol	9.95	184	150175	91.08	nq	# 86
54) Dibenzofuran	10.11	168	866955	45.00	nq	98
55) 4-Nitrophenol	10.01	139	250201	70.88	nq	94
56) 2,4-Dinitrotoluene	10.09	165	228640	49.73	nq	# 80
57) Fluorene	10.46	166	599111	39.78	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	166125	45.61	nq	# 57
59) Diethylphthalate	10.33	149	649930	40.78	nq	99
60) 4-Chlorophenyl-phenylether	10.44	204	269534	47.63	nq	99
61) 4-Nitroaniline	10.47	138	154997	39.04	nq	95
62) Azobenzene	10.60	77	727293	45.33	nq	99
64) 4,6-Dinitro-2-methylphenol	10.49	198	96494	44.09	nq	94
65) n-Nitrosodiphenylamine	10.56	169	564315	43.59	nq	99
66) 4-Bromophenyl-phenylether	10.94	248	191028	48.74	nq	98
67) Hexachlorobenzene	10.99	284	180414	41.16	nq	99
68) Atrazine	11.10	200	174812	45.58	nq	99
69) Pentachlorophenol	11.19	266	231278	88.81	nq	99
70) Phenanthrene	11.41	178	877529	40.95	nq	100
71) Anthracene	11.46	178	958724	44.65	nq	100
72) Carbazole	11.61	167	830012	40.83	nq	99
73) Di-n-butylphthalate	11.95	149	1020183	46.81	nq	100
74) Fluoranthene	12.59	202	930008	44.10	nq	100
76) Benzidine	12.72	184	261440	22.58	nq	98
77) Pyrene	12.82	202	978625	46.80	nq	100
79) Butylbenzylphthalate	13.45	149	447265	50.26	nq	97
80) Benzo(a)anthracene	14.01	228	745312	43.98	nq	99
81) 3,3'-Dichlorobenzidine	13.98	252	126542	26.47	nq	98
82) Chrysene	14.05	228	771186	45.72	nq	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	516293	48.75	nq	99
84) Di-n-octyl phthalate	14.62	149	917271	46.59	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.83	276	645891	46.33	nq	# 100
87) Benzo(b)fluoranthene	15.04	252	756547m	46.16	nq	
88) Benzo(k)fluoranthene	15.06	252	570680m	41.85	nq	
89) Benzo(a)pyrene	15.38	252	619238	44.94	nq	100
90) Dibenzo(a,h)anthracene	16.86	278	536072	45.72	nq	99
91) Benzo(g,h,i)perylene	17.26	276	540206	45.67	nq	99

(#) = 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

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Instrument :

BNA_F

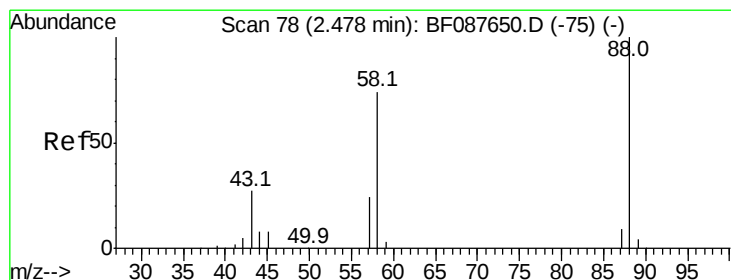
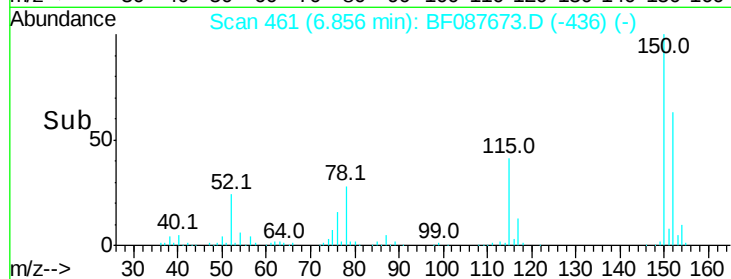
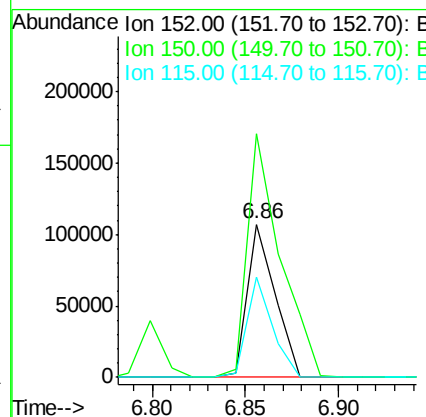
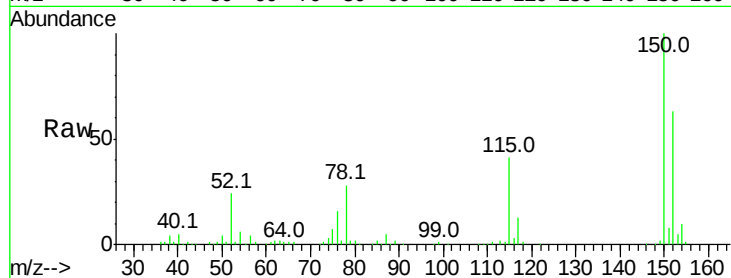
ClientSampleId :

PB91074BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	65.5	39.6	59.4

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#2

1,4-Dioxane

Concen: 31.69 ng

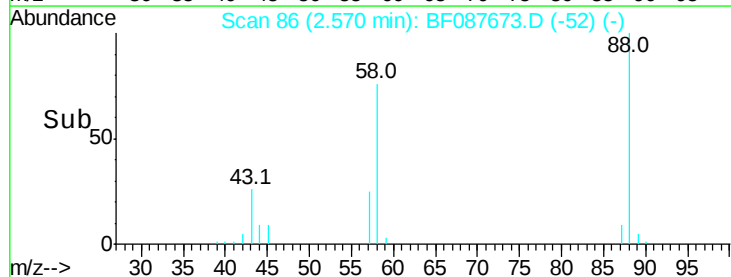
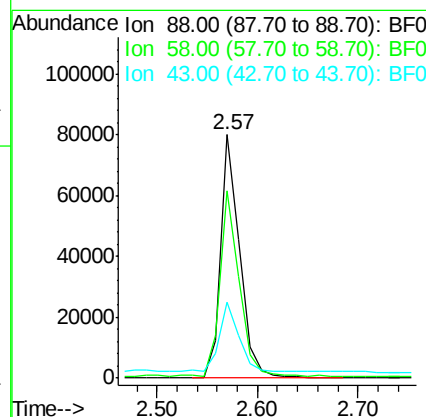
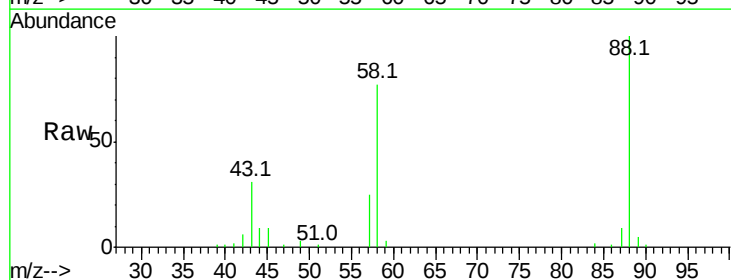
RT: 2.57 min Scan# 86

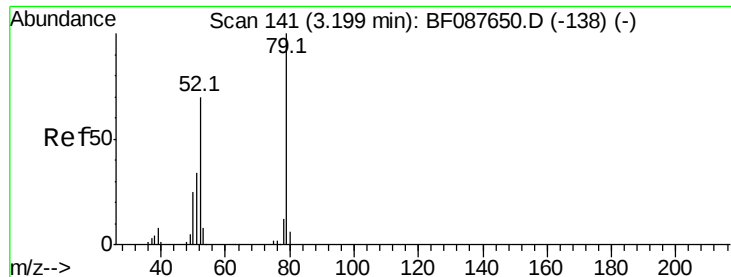
Delta R.T. 0.09 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.0	0.0	0.0
43	29.2	3.4	5.2





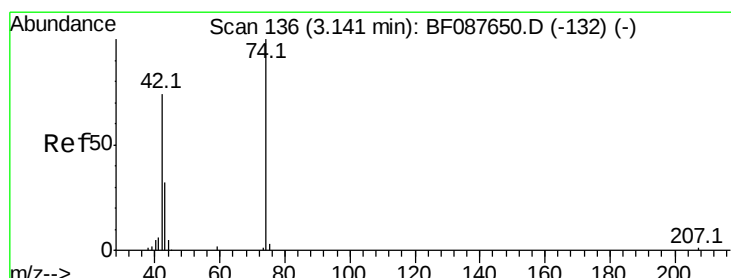
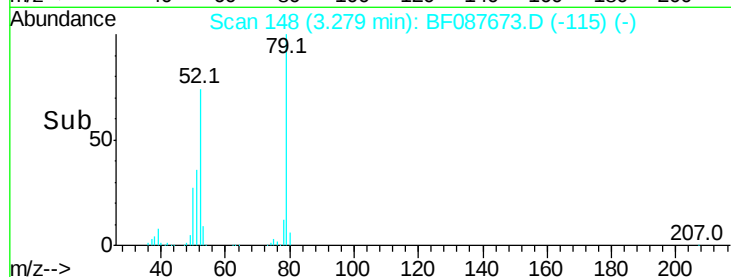
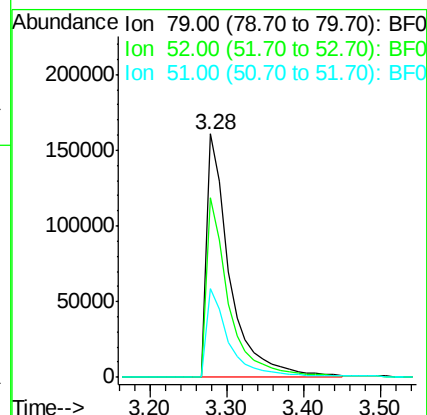
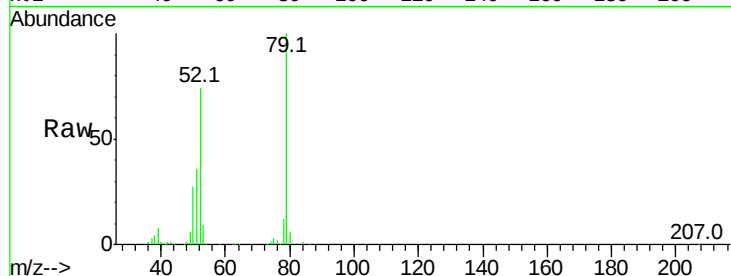
#3
 Pvrindine
 Concen: 38.31 ng
 RT: 3.28 min Scan# 148
 Delta R.T. 0.08 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	74.0	56.3	84.5
51	36.3	27.4	41.2

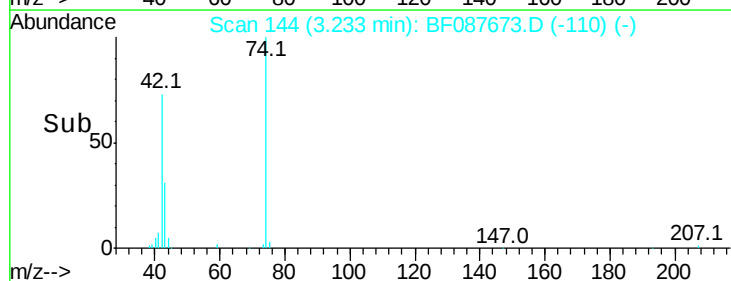
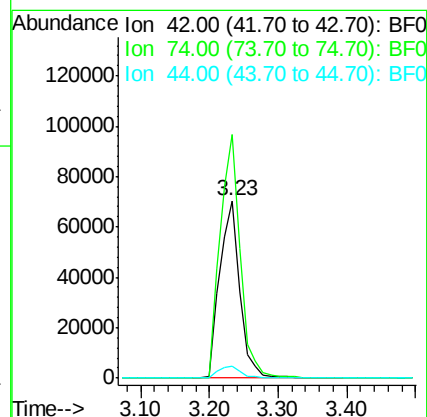
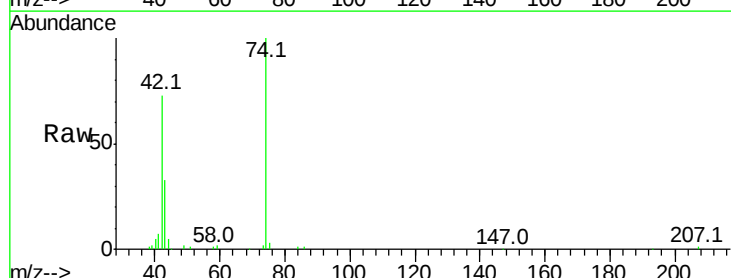
Manual Integrations
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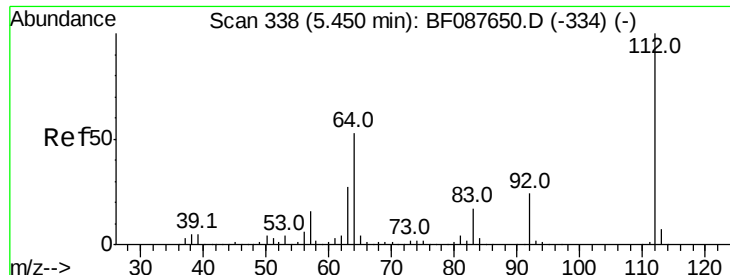
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#4
 n-Nitrosodimethylamine
 Concen: 39.70 ng
 RT: 3.23 min Scan# 144
 Delta R.T. 0.09 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	137.2	108.6	163.0
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 109.54 ng

RT: 5.46 min Scan# 339

Delta R.T. 0.01 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

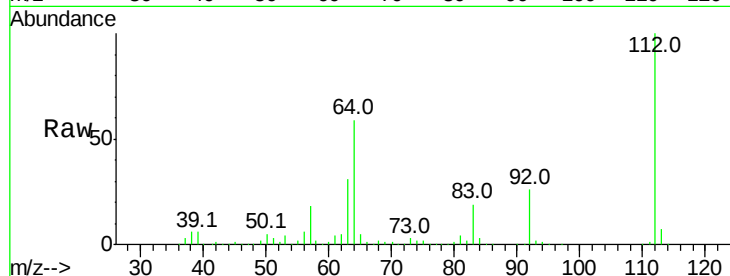
ClientSampleId :

PB91074BS

Tot Ion:	112	Resp:	751647
Ion Ratio	Lower	Upper	
112	100		
64	59.3	42.2	63.2
63	30.8	21.8	32.8

Manual Integrations
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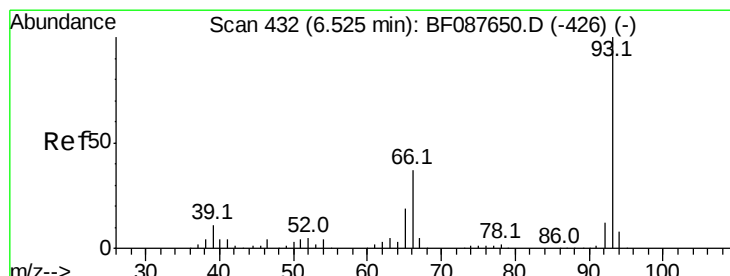
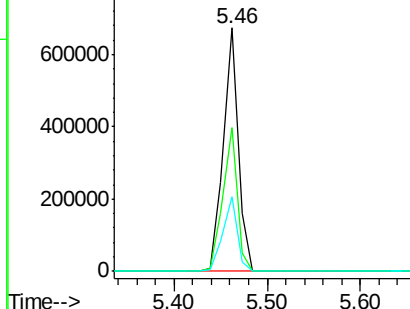
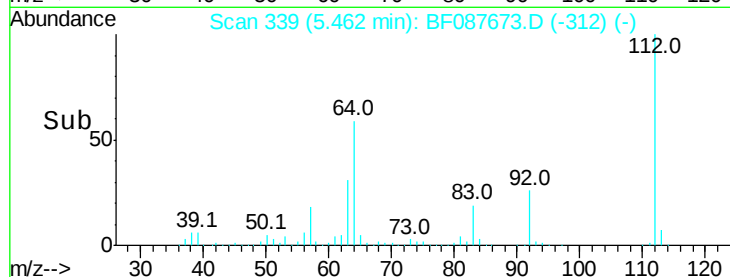
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.29 ng

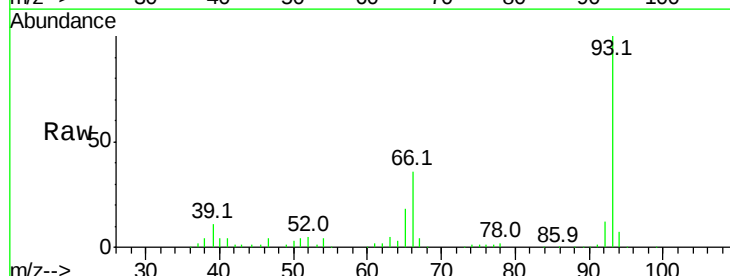
RT: 6.52 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

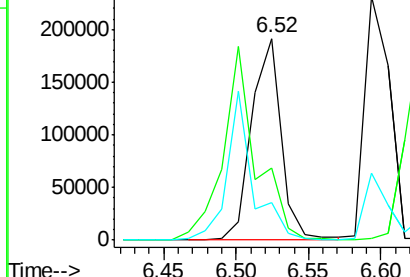
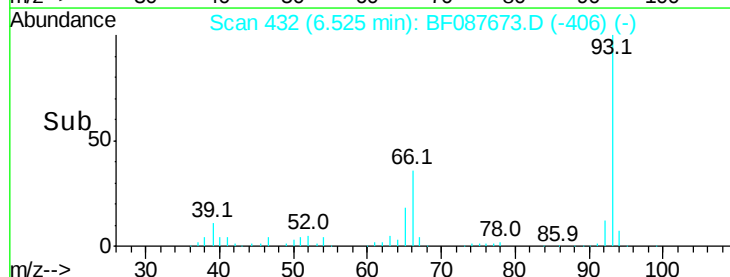
Tgt Ion:	93	Resp:	271862
Ion Ratio	Lower	Upper	
93	100		
66	35.6	29.8	44.8
65	18.4	14.9	22.3

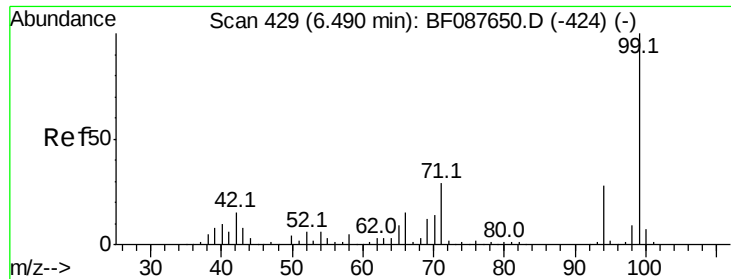


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.35 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

ClientSampleId :

PB91074BS

Tot Ion: 99 Resp: 1018426

Ion Ratio Lower Upper

99 100

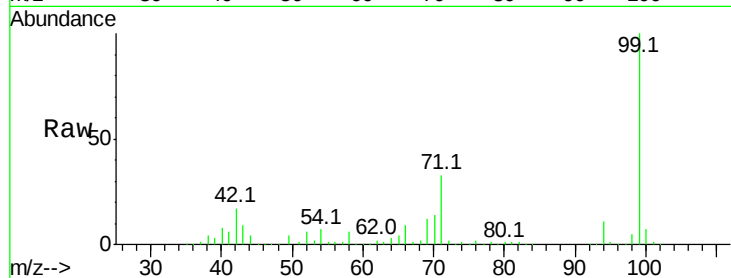
42 17.3 12.2 18.2

71 32.9 23.4 35.0

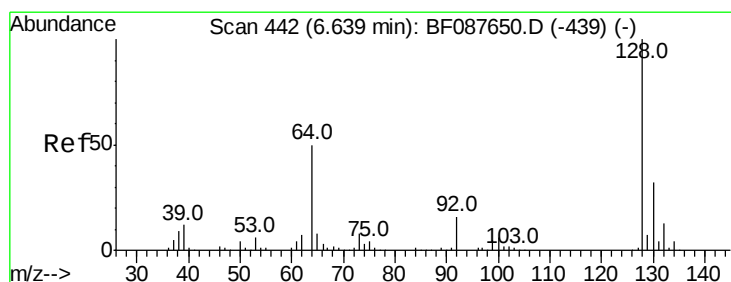
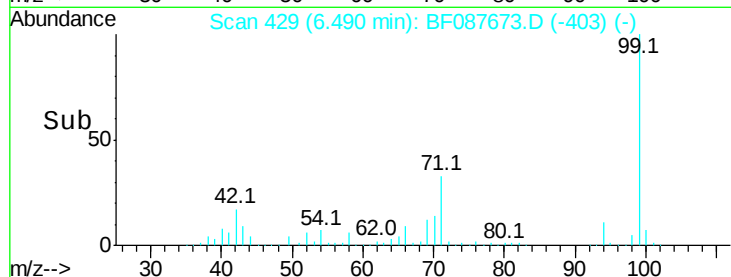
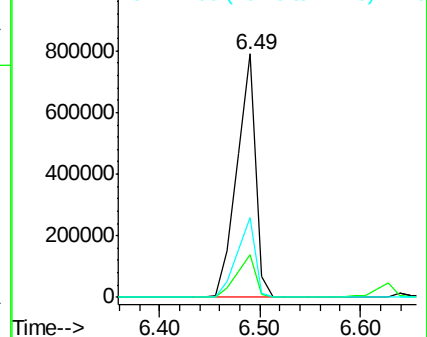
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.29 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

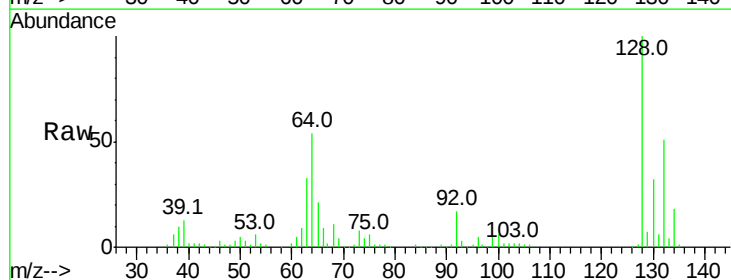
Tgt Ion:128 Resp: 318109

Ion Ratio Lower Upper

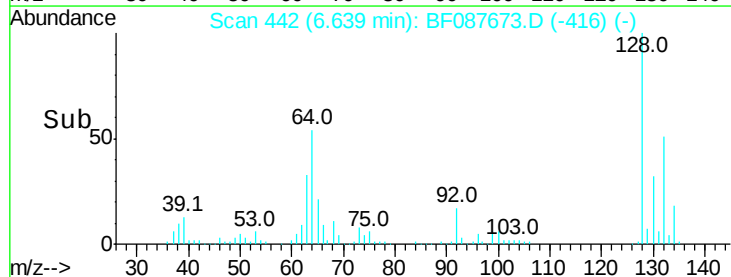
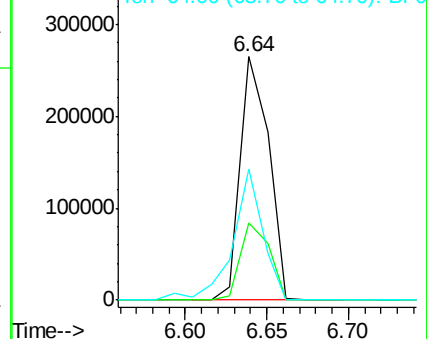
128 100

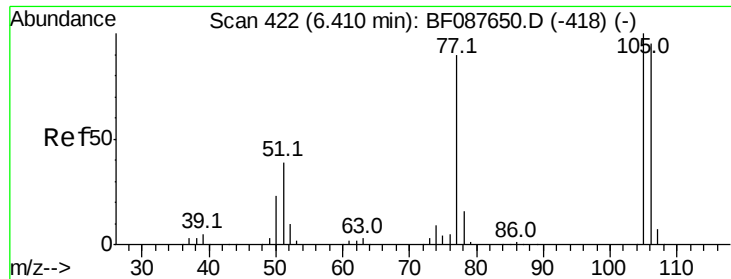
130 31.8 12.0 52.0

64 53.8 30.8 70.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.12 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

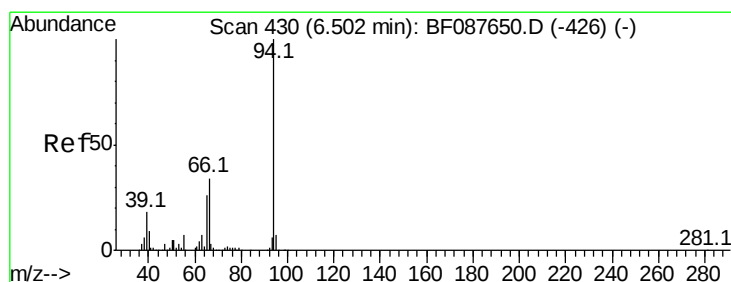
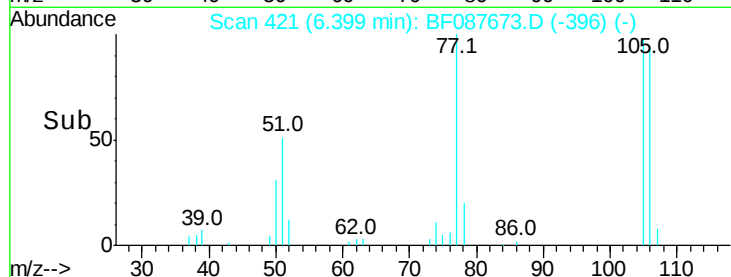
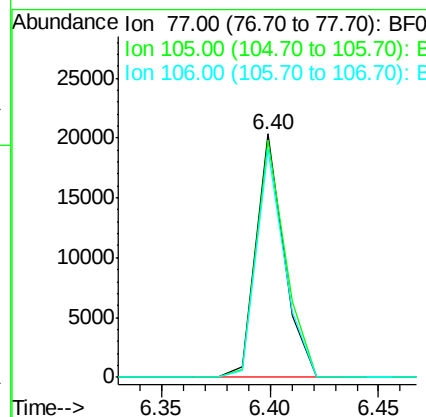
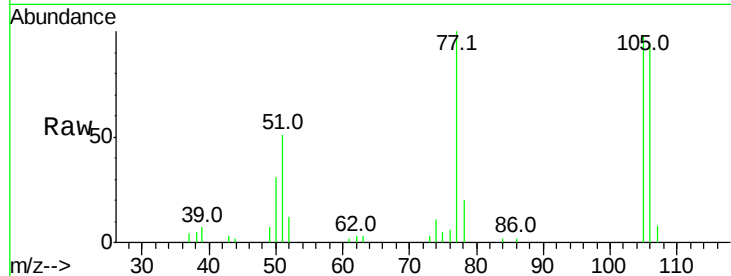
ClientSampled :

PB91074BS

Tot Ion:	77	Resp:	18143
Ion Ratio	Lower	Upper	
77	100		
105	97.7	90.6	130.6
106	93.9	85.3	125.3

Manual Integrations
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#10

Phenol

Concen: 43.58 ng

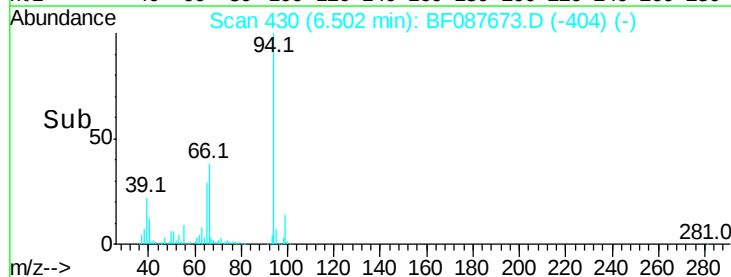
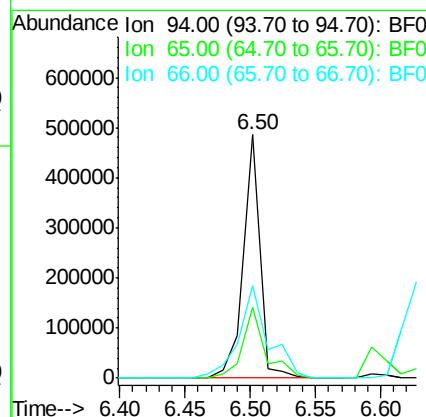
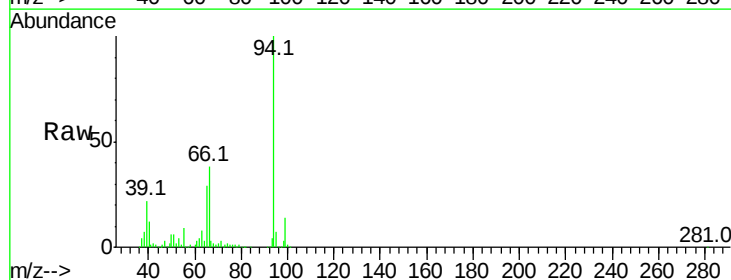
RT: 6.50 min Scan# 430

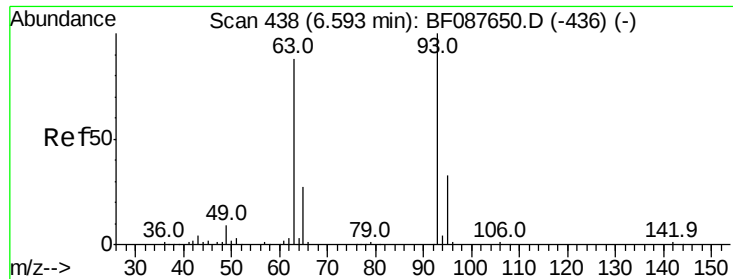
Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	94	Resp:	426989
Ion Ratio	Lower	Upper	
94	100		
65	29.0	5.9	45.9
66	37.8	14.0	54.0





#11

bis(2-Chloroethyl)ether

Concen: 39.06 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

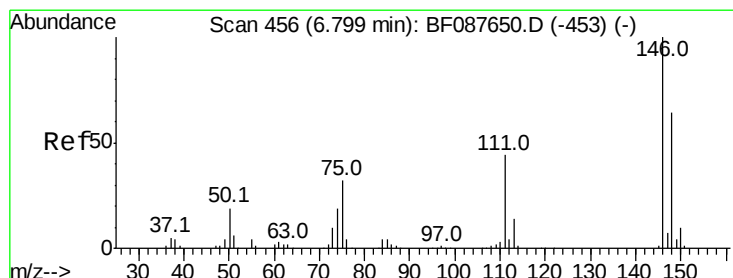
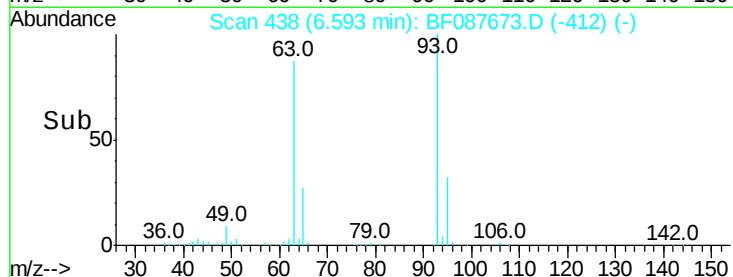
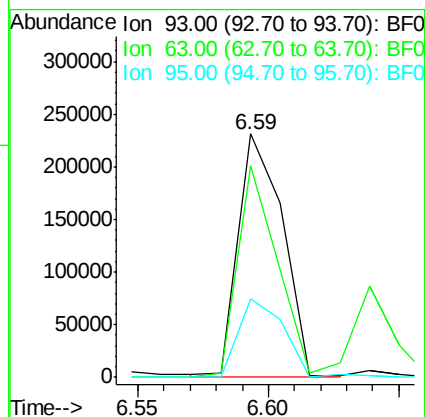
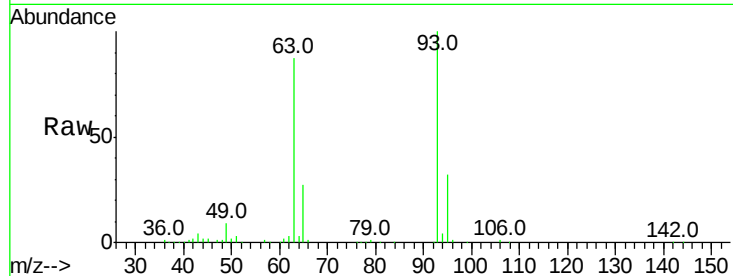
ClientSampleId :

PB91074BS

Tot Ion:	93	Resp:	278080
Ion Ratio	Lower	Upper	
93	100		
63	86.9	67.6	107.6
95	32.4	12.5	52.5

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#12

1,3-Dichlorobenzene

Concen: 38.48 ng

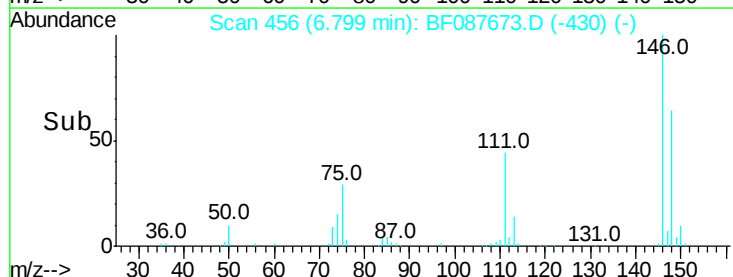
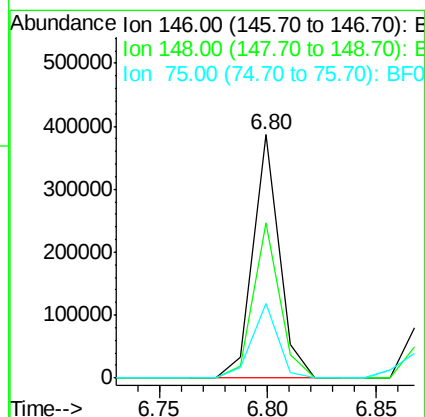
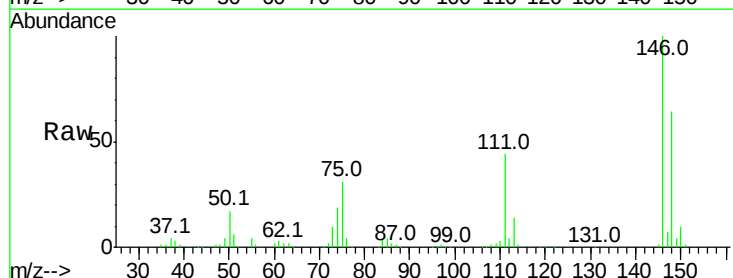
RT: 6.80 min Scan# 456

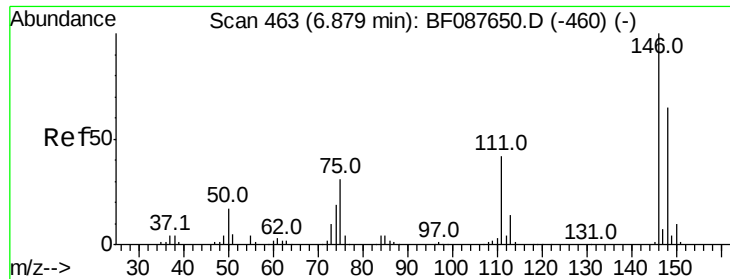
Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	146	Resp:	325308
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.9	76.3
75	30.8	25.6	38.4





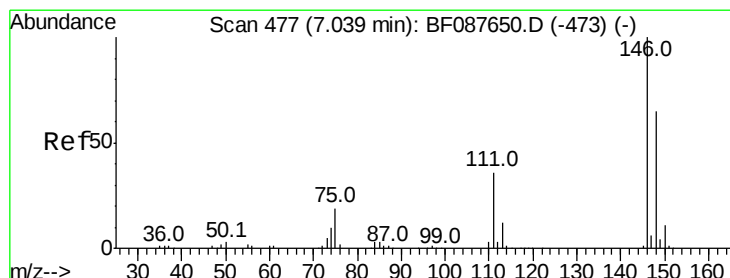
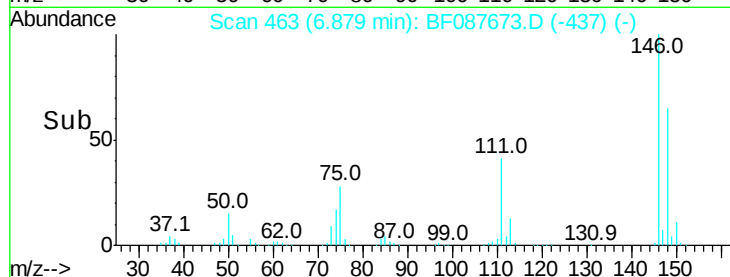
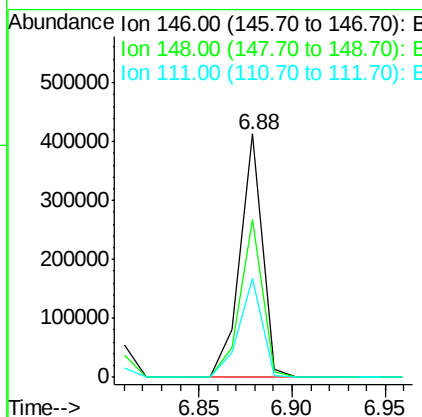
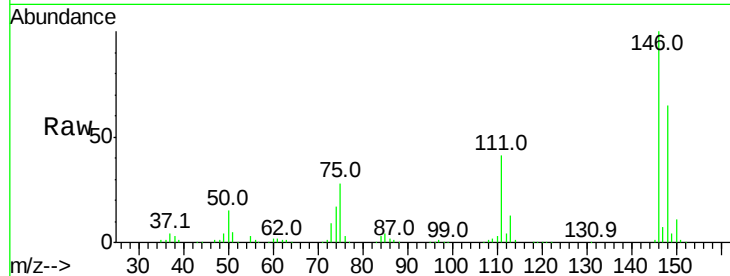
#13
 1,4-Dichlorobenzene
 Concen: 41.01 ng
 RT: 6.88 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	40.8	33.8	50.8

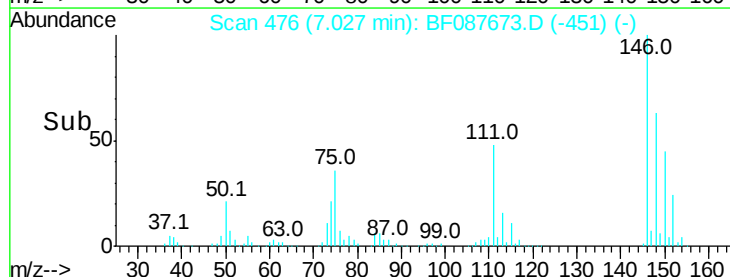
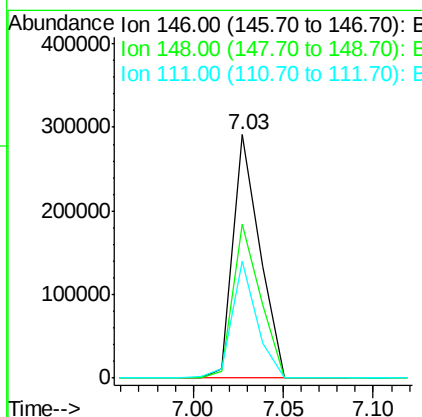
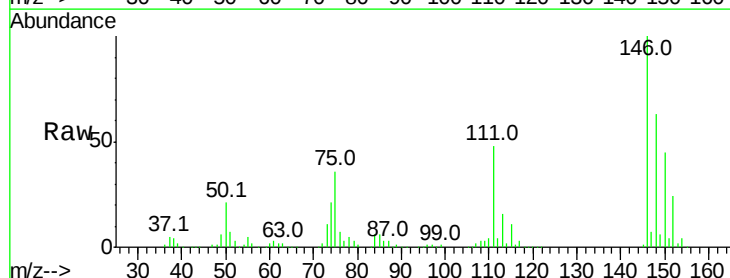
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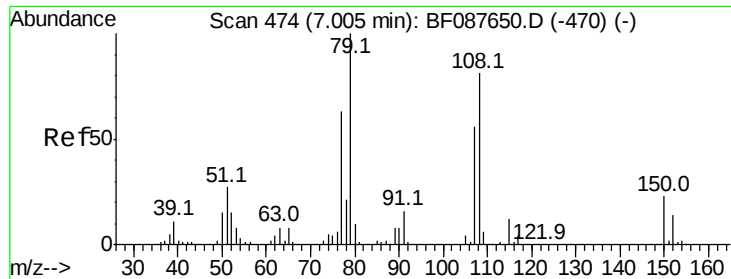
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#14
 1,2-Dichlorobenzene
 Concen: 37.69 ng m
 RT: 7.03 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.3	78.5
111	48.1	28.7	43.1#





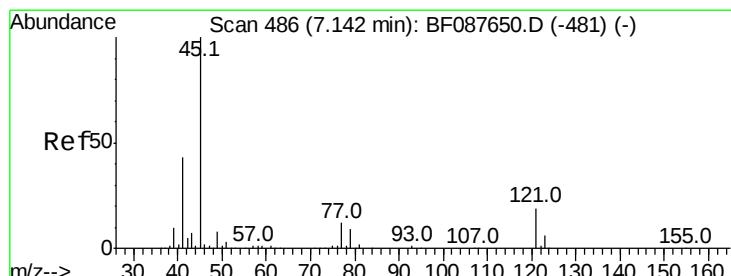
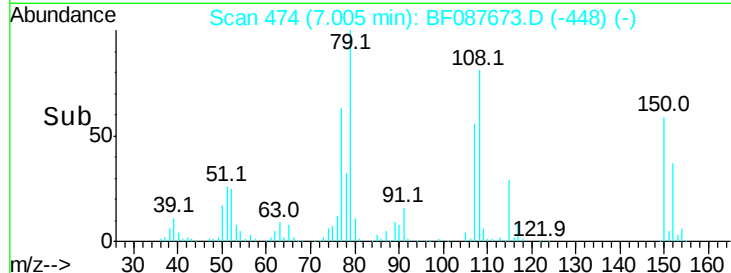
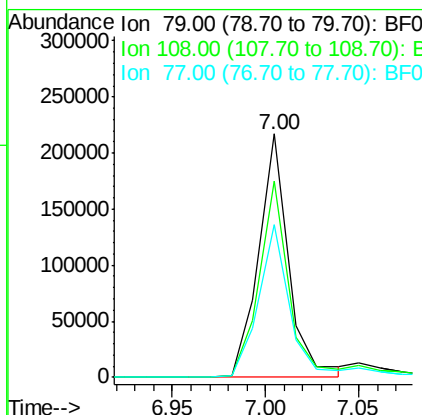
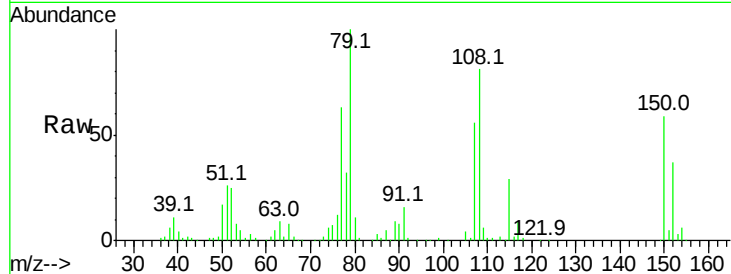
#15
Benzyl Alcohol
Concen: 38.07 ng
RT: 7.00 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.6	65.0	97.6
77	62.6	50.3	75.5

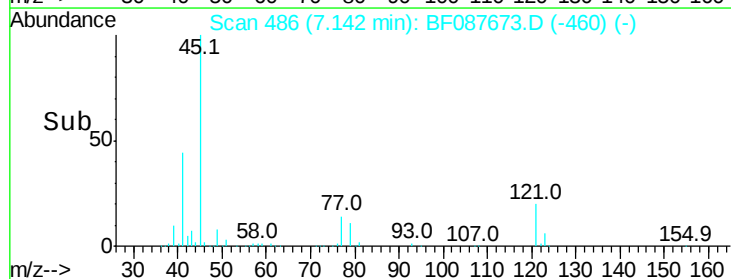
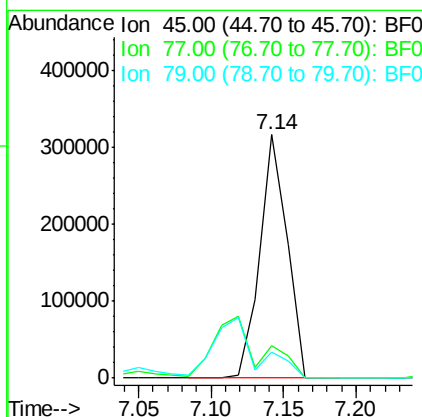
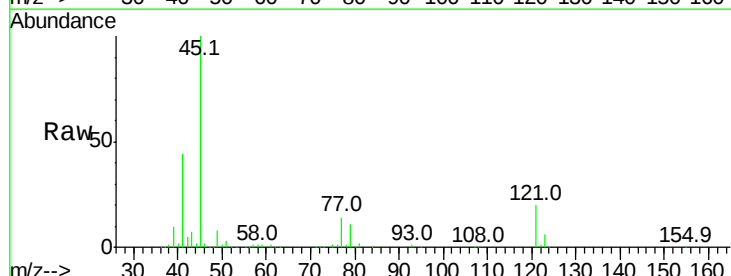
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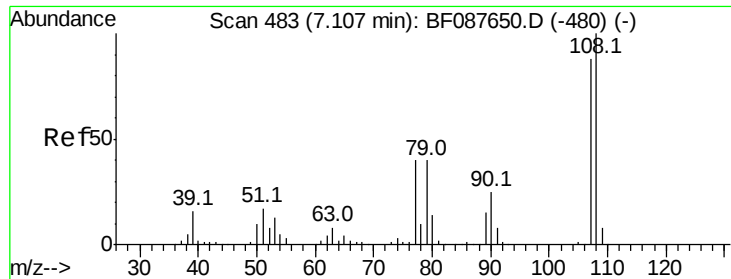
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#16
2,2'-oxybis(1-chloropropane)
Concen: 39.48 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	32.5
79	10.7	0.0	29.5





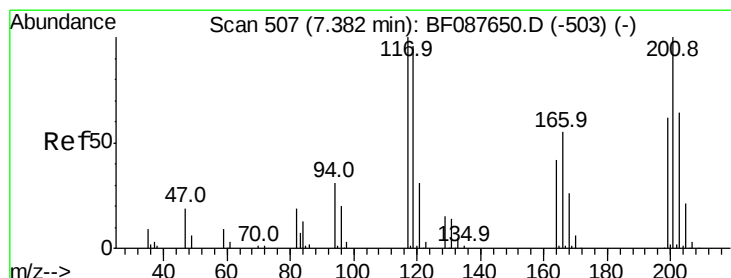
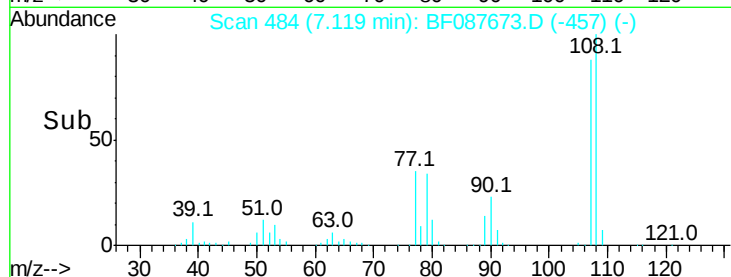
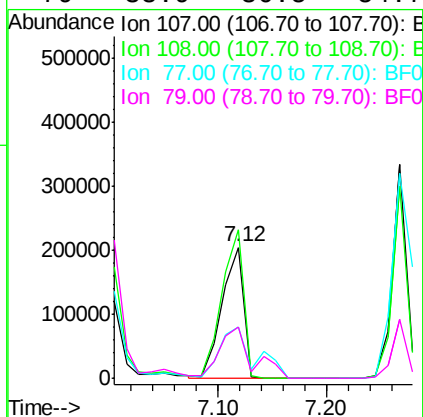
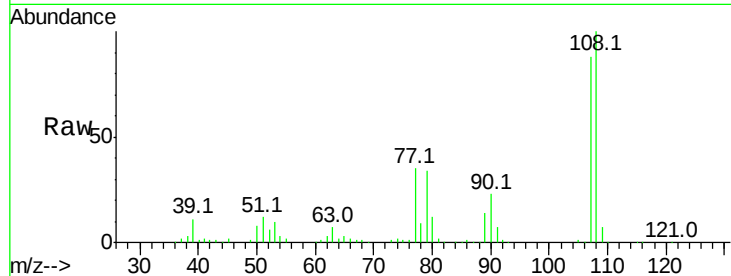
#17
2-Methylphenol
Concen: 44.91 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	284702		
108	113.1	90.9	136.3	
77	39.4	36.6	55.0	
79	38.9	36.5	54.7	

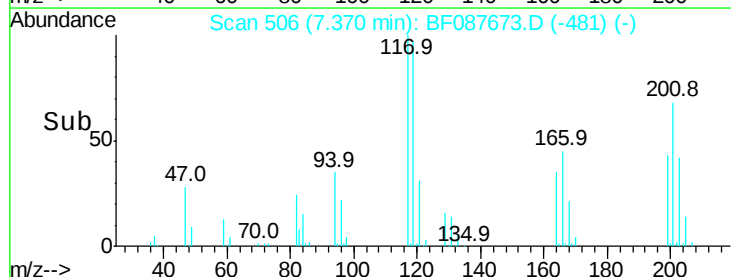
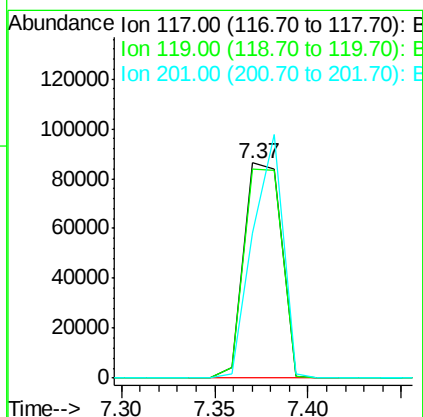
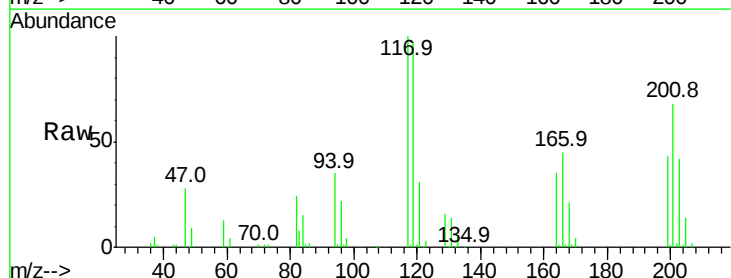
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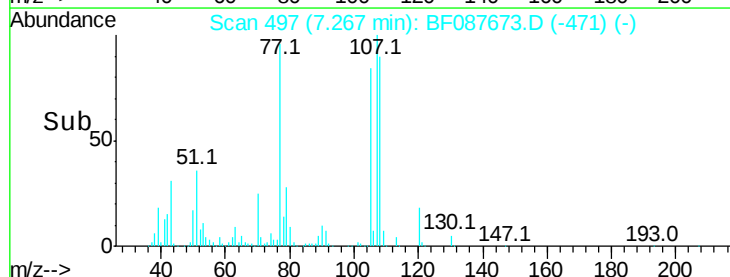
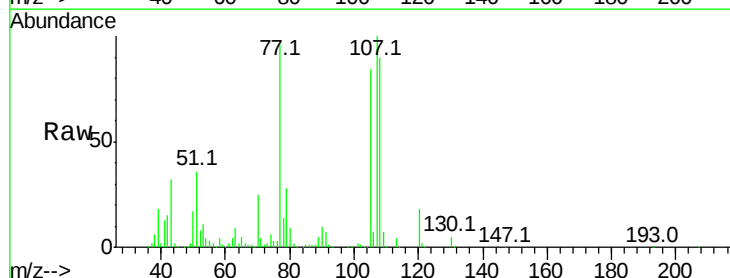
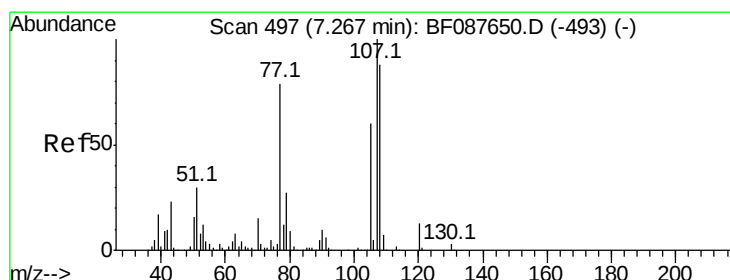
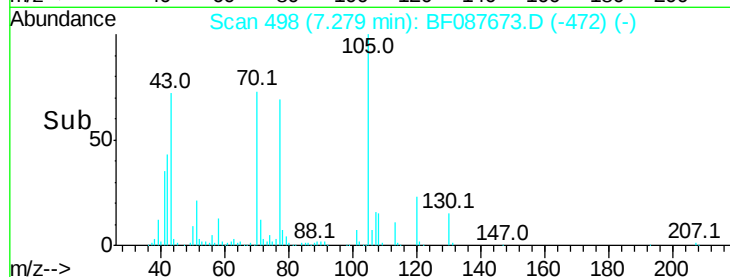
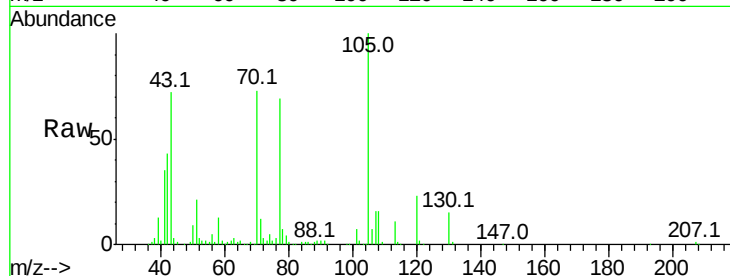
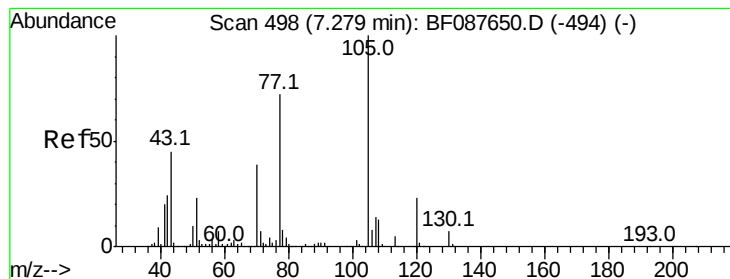
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#18
Hexachloroethane
Concen: 40.41 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	119869		
119	97.1	77.4	116.2	
201	67.7	80.4	120.6	





#19

n-Nitroso-di-n-propylamine

Concen: 38.82 ng

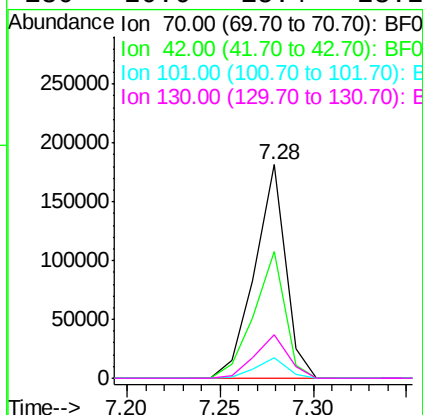
RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		208651		
42	59.1	49.6		74.4	
101	9.5	7.1		10.7	
130	20.6	15.4		23.2	



Instrument :

BNA_F

ClientSampleId :

PB91074BS

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#20

3+4-Methylphenols

Concen: 40.70 ng

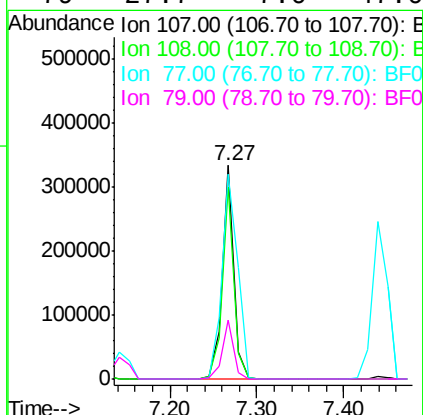
RT: 7.27 min Scan# 497

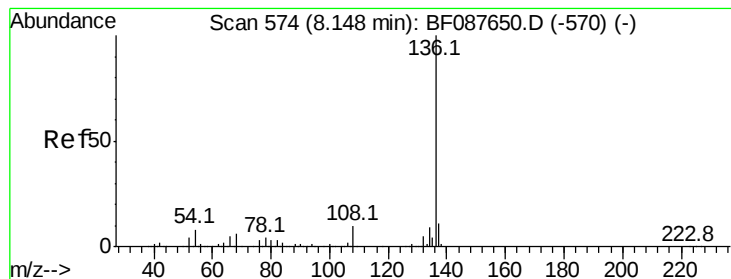
Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		316178		
108	89.8	67.8		107.8	
77	96.0	59.3		99.3	
79	27.7	7.0		47.0	





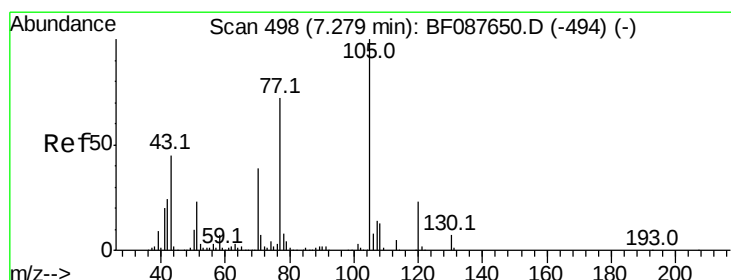
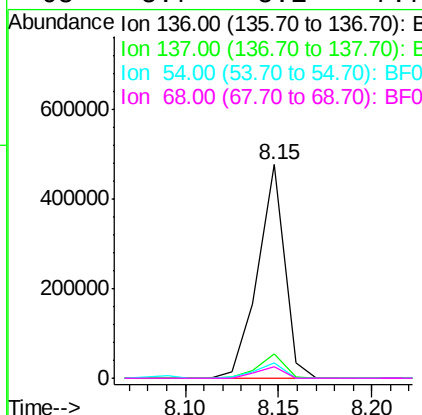
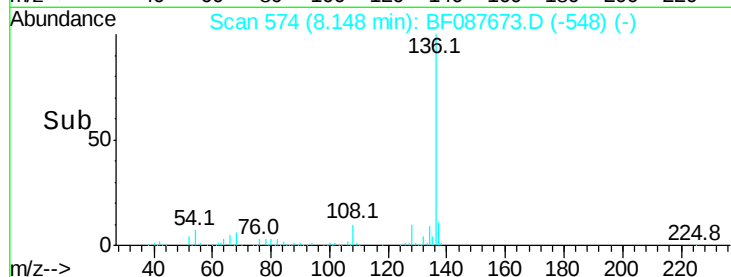
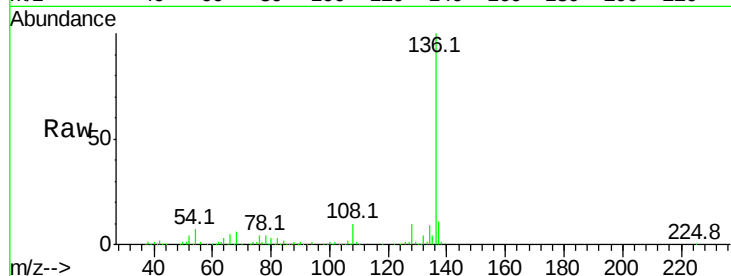
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	473953		
137	11.1		9.1	13.7
54	7.3		6.6	10.0
68	5.7		5.1	7.7

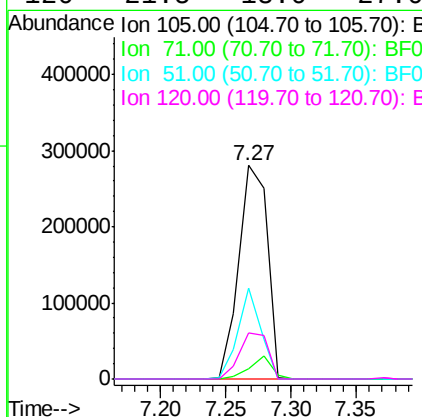
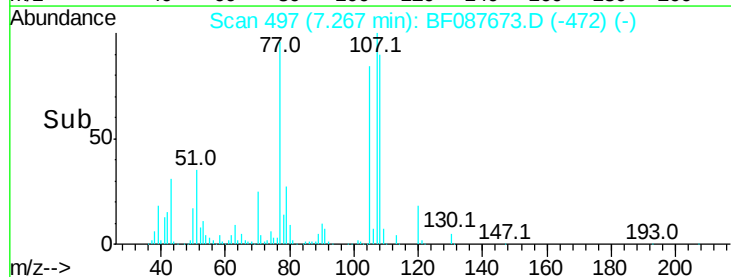
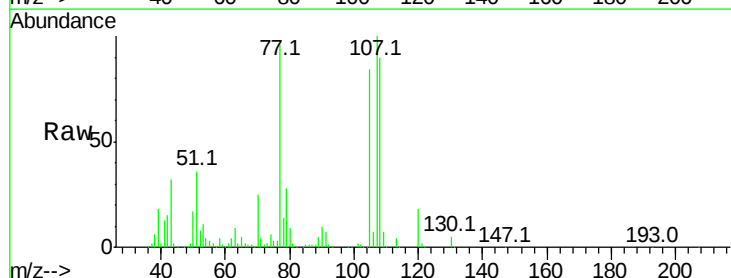
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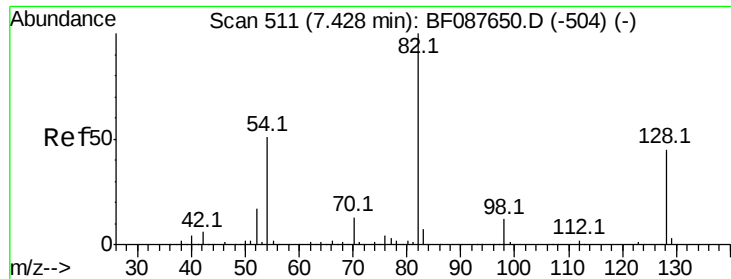
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#22
Acetophenone
Concen: 39.72 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	426356		
71	5.0		5.3	7.9#
51	42.3		18.2	27.4#
120	21.5		18.0	27.0





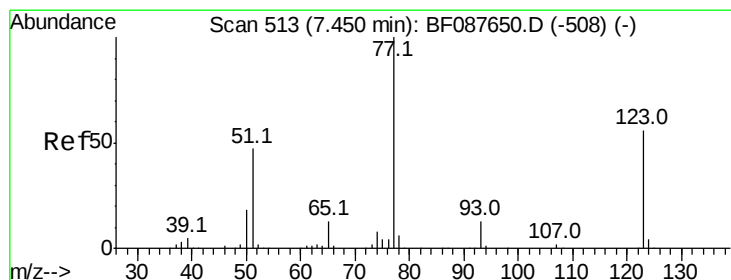
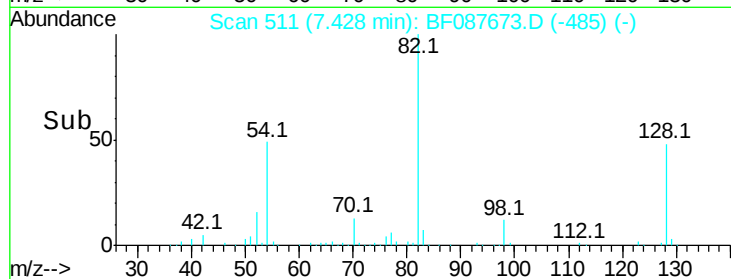
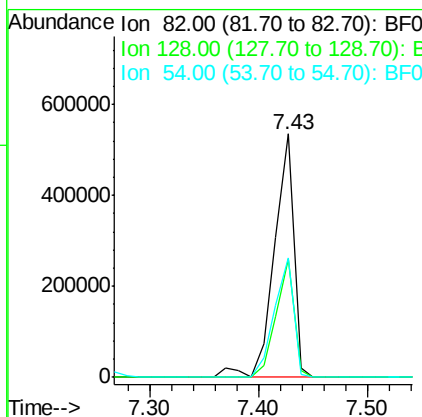
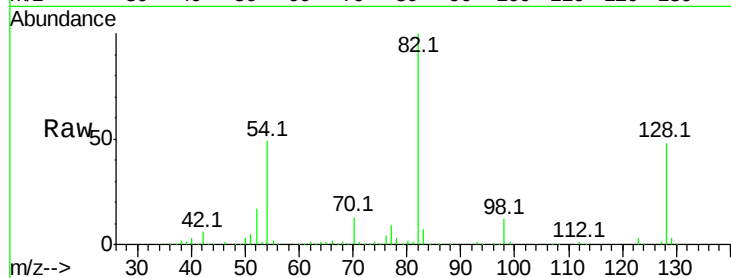
#23
 Nitrobenzene-d5
 Concen: 81.55 ng
 RT: 7.43 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.5	35.9	53.9	
54	49.0	40.9	61.3	

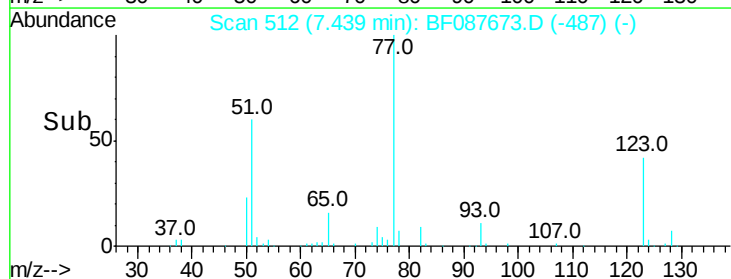
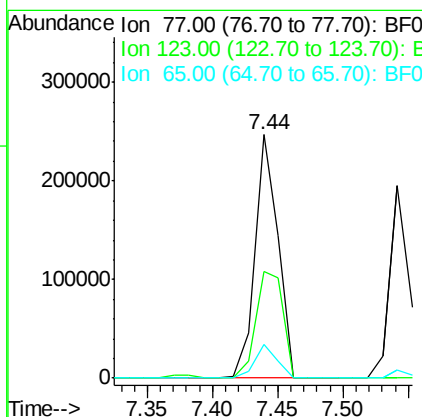
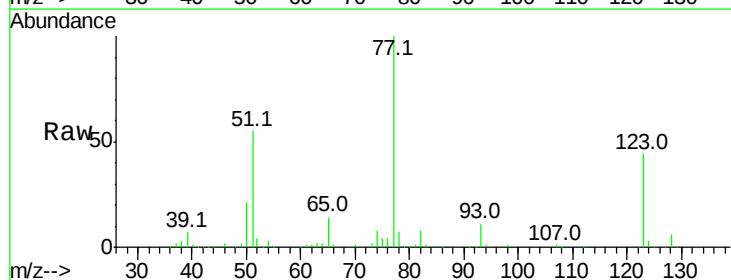
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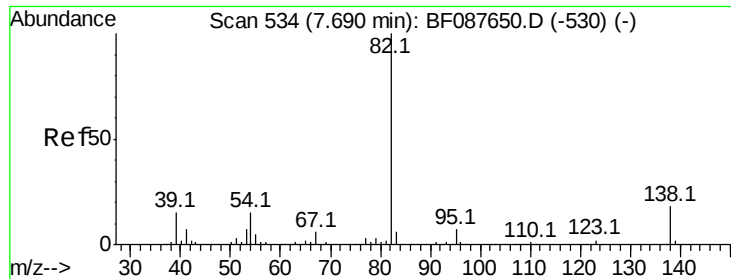
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#24
 Nitrobenzene
 Concen: 36.85 ng
 RT: 7.44 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	43.7	45.0	67.4#	
65	13.7	10.2	15.2	





#25

Isophorone

Concen: 40.68 ng

RT: 7.69 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

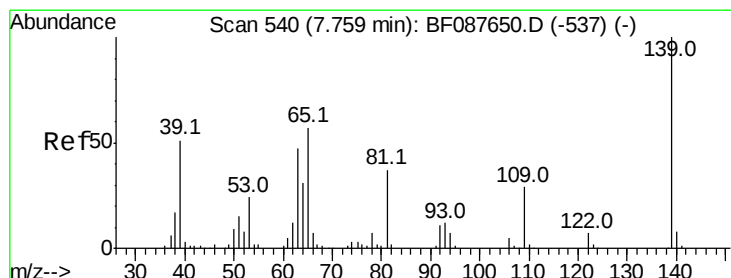
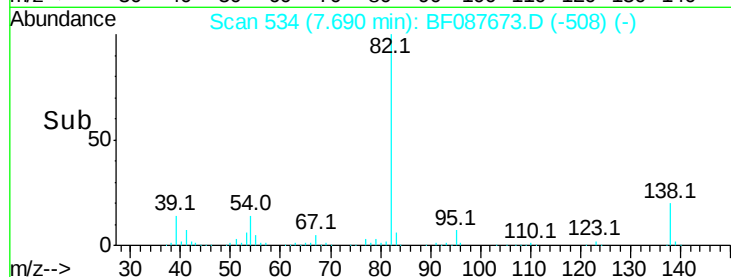
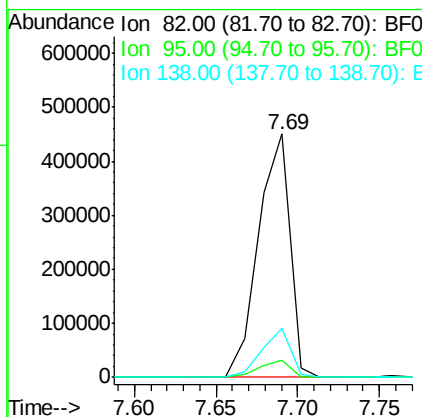
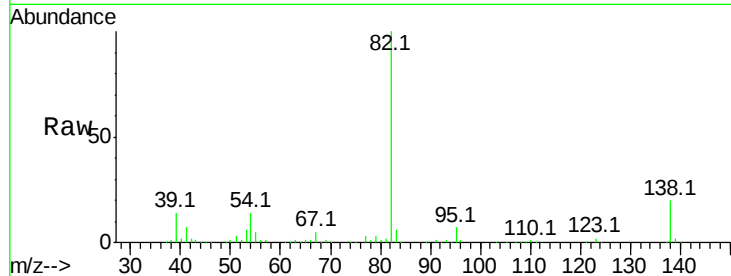
ClientSampleId :

PB91074BS

Tot Ion:	82	Resp:	606758
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.4	8.2
138	20.3	14.6	21.8

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.65 ng

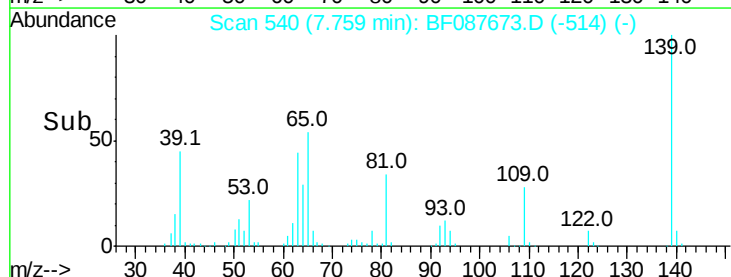
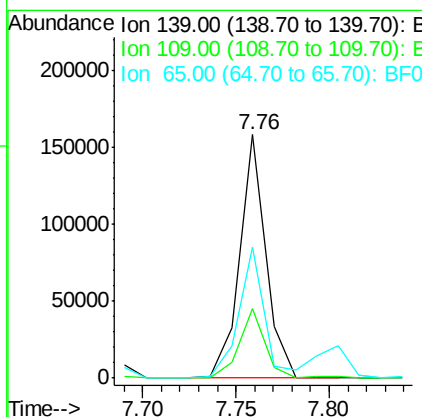
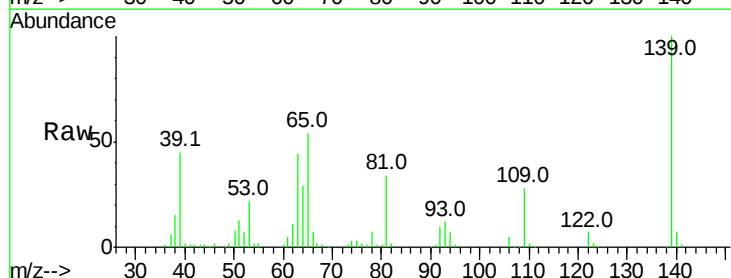
RT: 7.76 min Scan# 540

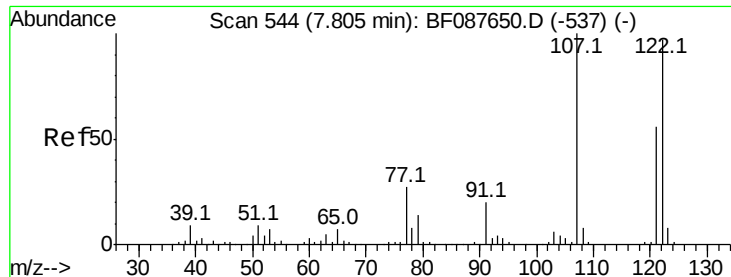
Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	139	Resp:	154843
Ion Ratio	Lower	Upper	
139	100		
109	28.3	23.0	34.4
65	54.0	45.8	68.8





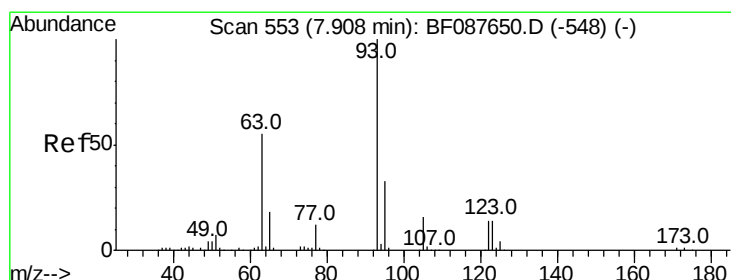
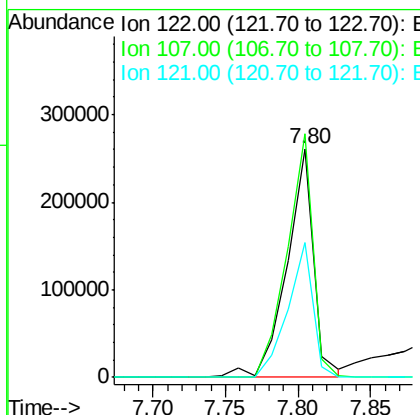
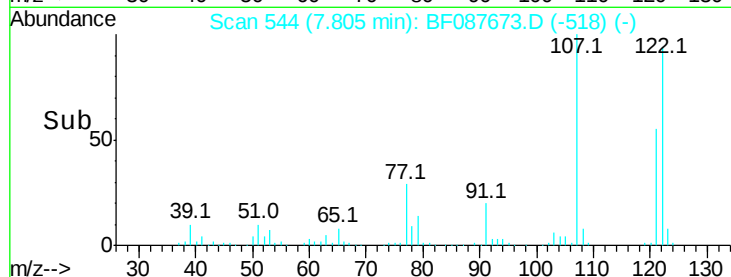
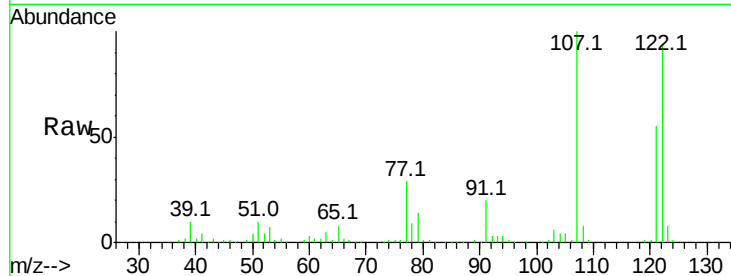
#27
2,4-Dimethylphenol
Concen: 42.24 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	333510		
107	106.4	82.4	123.6	
121	58.8	46.3	69.5	

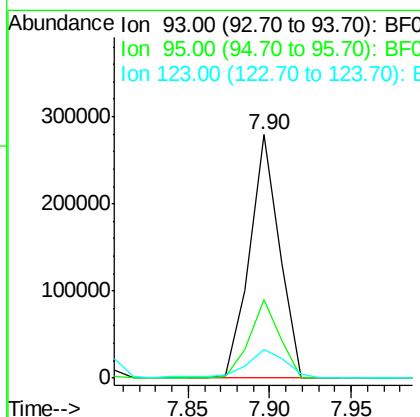
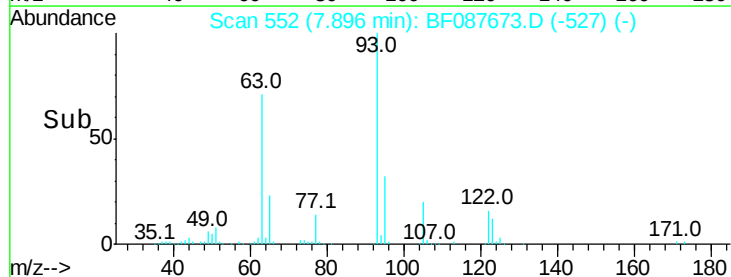
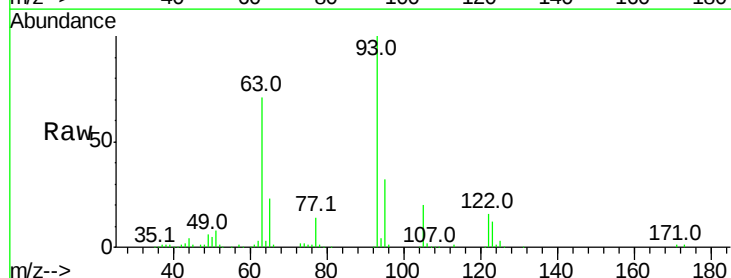
Manual Integrations
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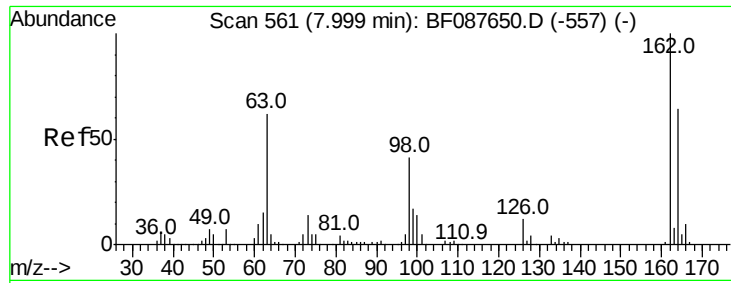
SOHIL
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#28
bis(2-Chloroethoxy)methane
Concen: 37.44 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	354154		
95	32.4	26.5	39.7	
123	11.8	11.6	17.4	





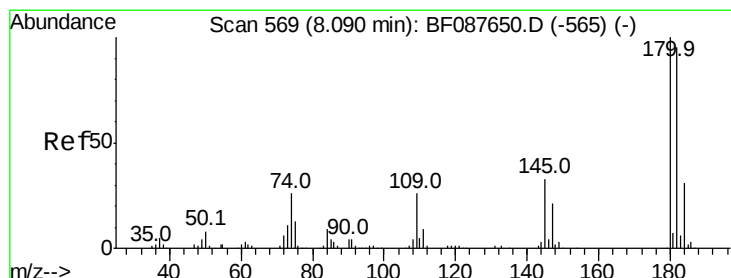
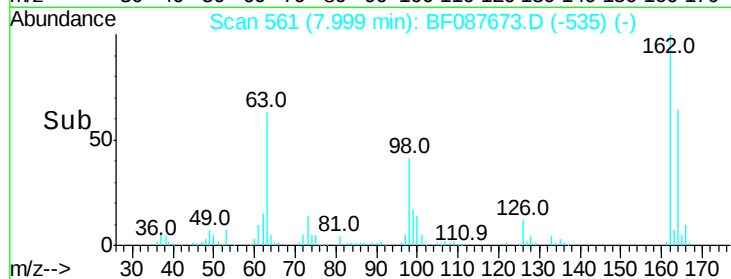
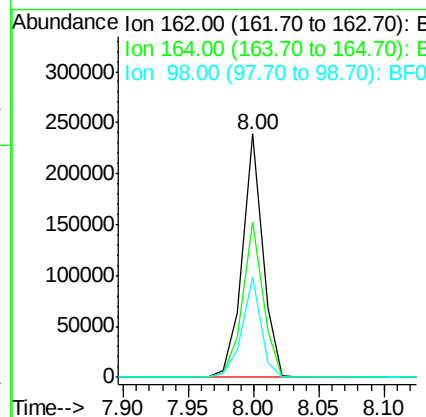
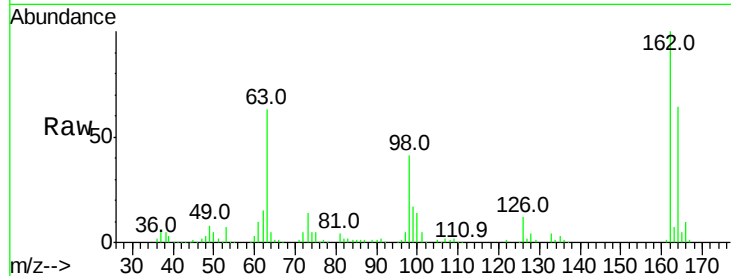
#29
2,4-Dichlorophenol
Concen: 40.17 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.0	43.8	83.8
98	41.4	21.3	61.3

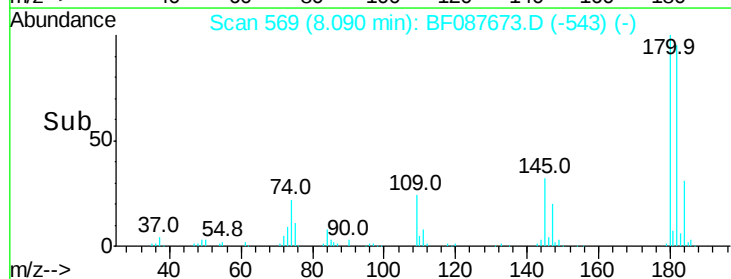
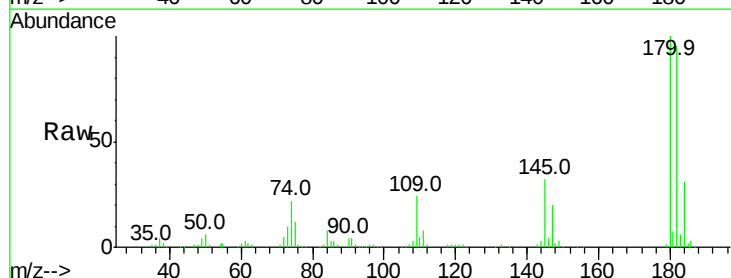
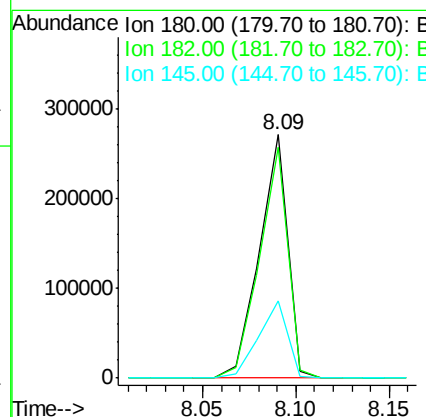
Manual Integrations
APPROVED

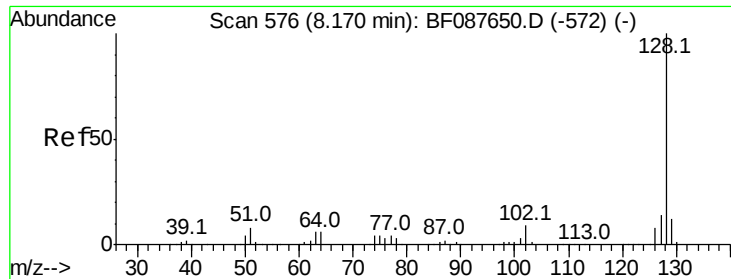
SOHIL
6/6/2016 7:18:28 PM



#30
1,2,4-Trichlorobenzene
Concen: 41.76 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	76.0	114.0
145	31.6	26.5	39.7





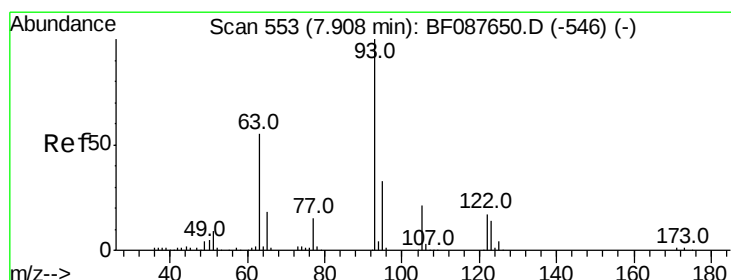
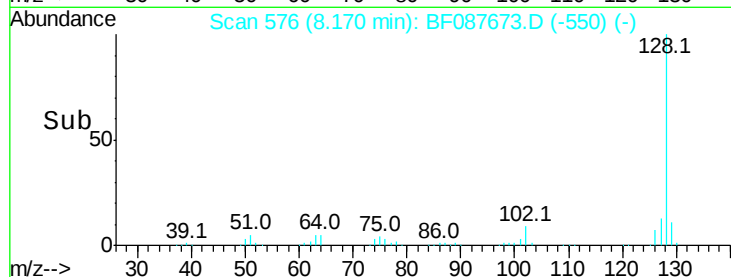
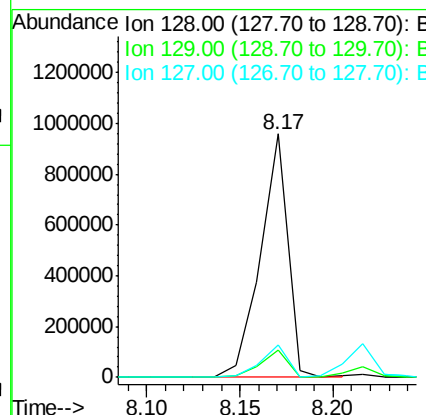
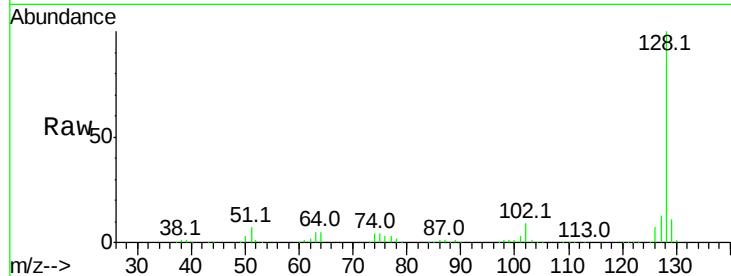
#31
Naphthalene
Concen: 42.06 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	13.5	10.9	16.3

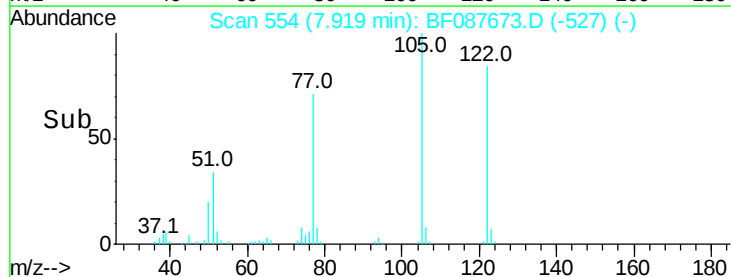
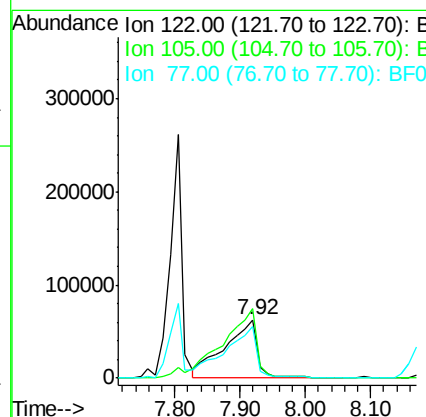
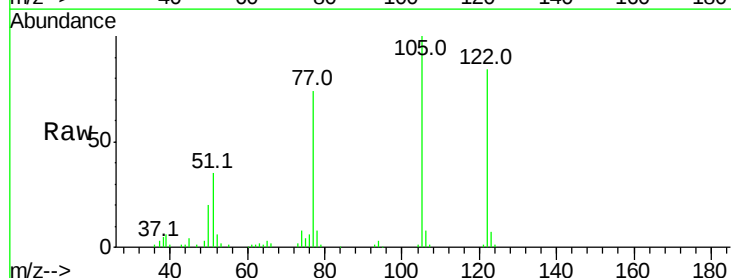
Manual Integrations
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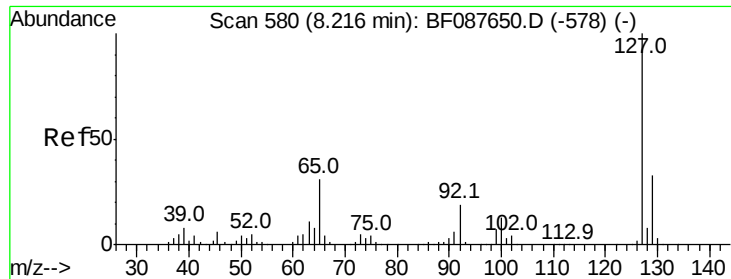
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#32
Benzoic acid
Concen: 44.88 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.0	101.6	141.6
77	88.1	70.6	110.6





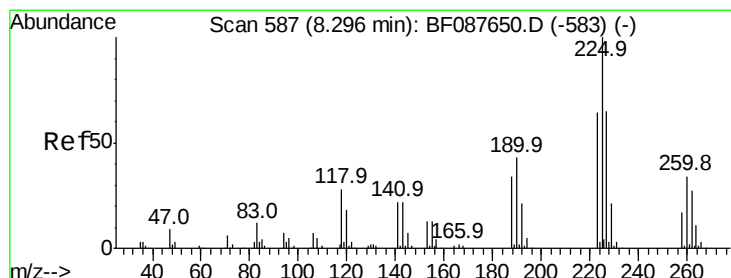
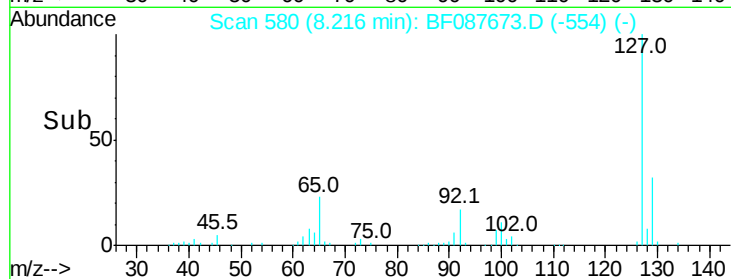
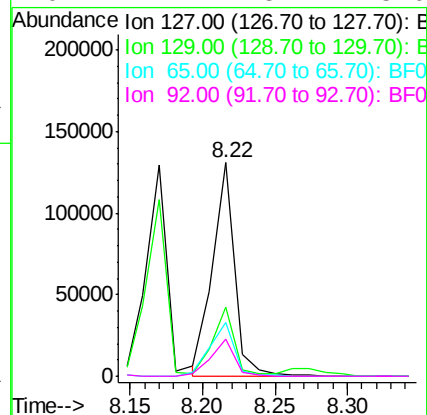
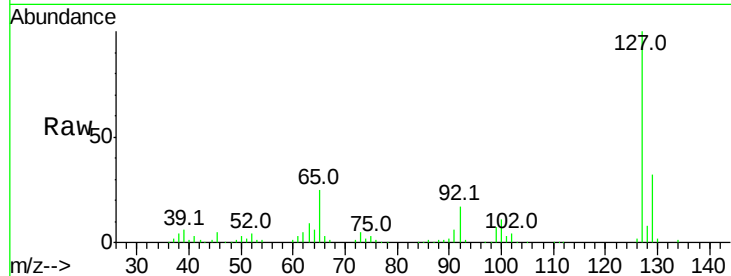
#33
4-Chloroaniline
Concen: 13.96 ng
RT: 8.22 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.3	39.5		
65	25.0	24.7	37.1		
92	17.2	15.4	23.0		

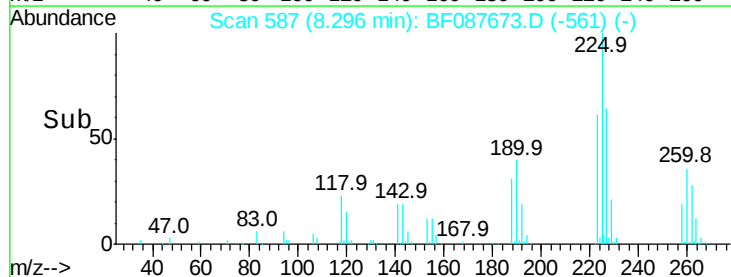
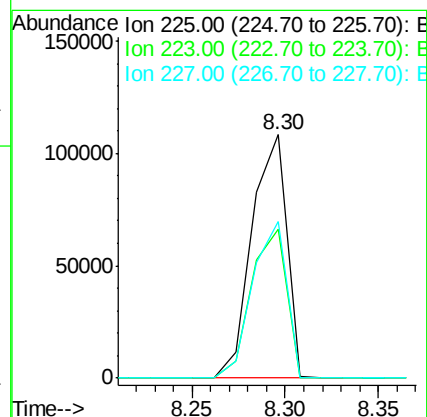
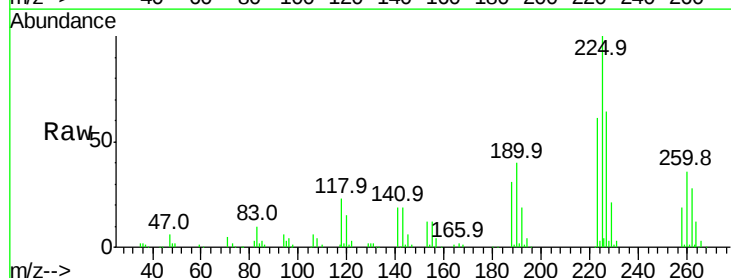
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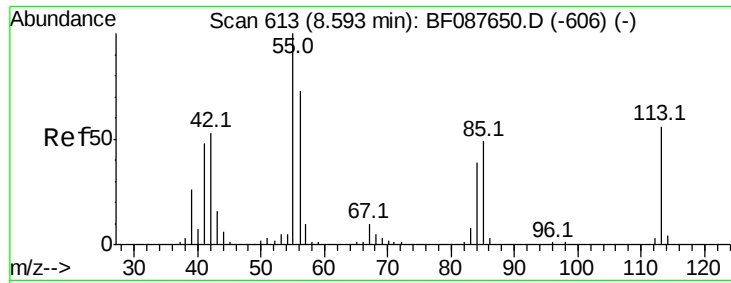
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#34
Hexachlorobutadiene
Concen: 39.53 ng
RT: 8.30 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.4	50.9	76.3		
227	64.3	51.9	77.9		





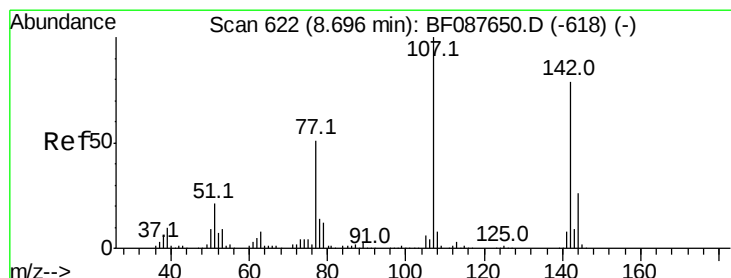
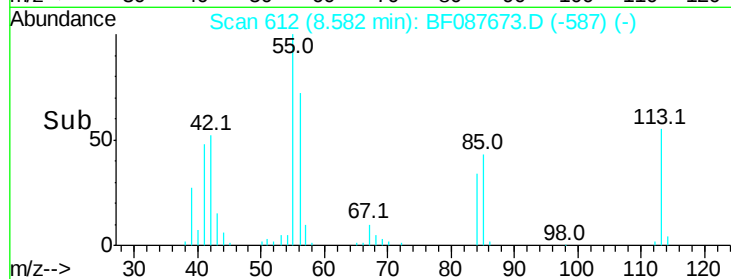
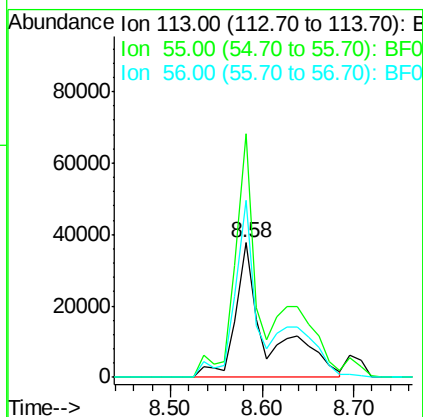
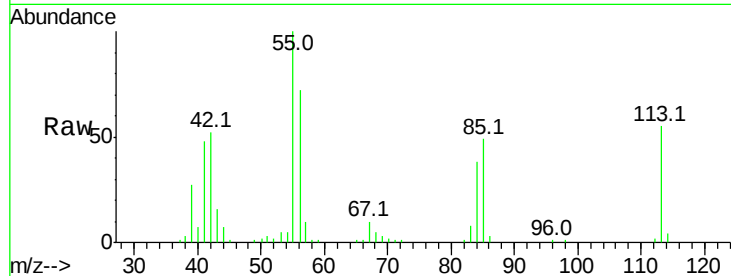
#35
Caprolactam
Concen: 43.26 ng/ml
RT: 8.58 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	181.2	158.6	198.6
56	131.3	110.6	150.6

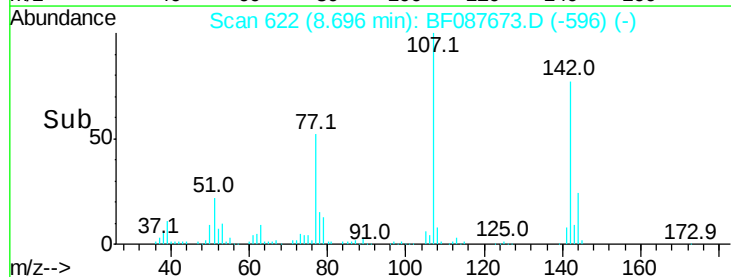
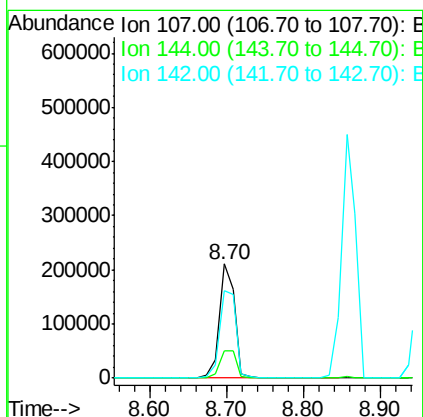
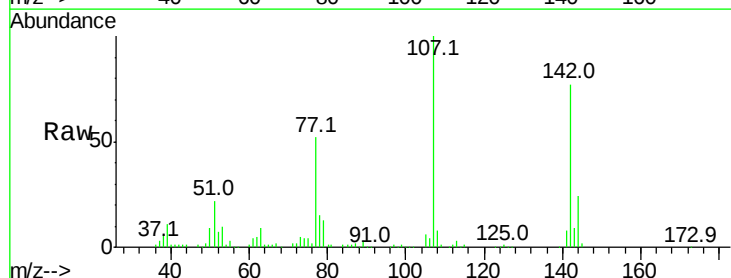
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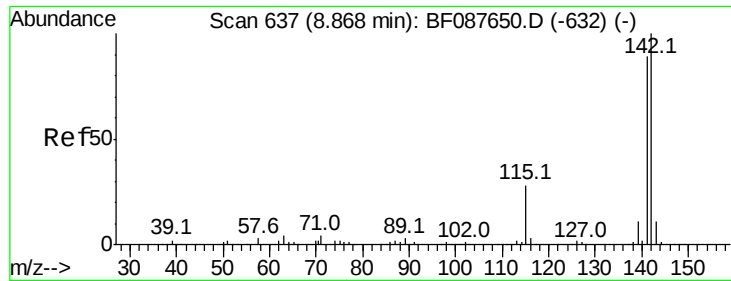
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#36
4-Chloro-3-methylphenol
Concen: 43.97 ng/ml
RT: 8.70 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.8	31.2
142	76.9	63.4	95.2





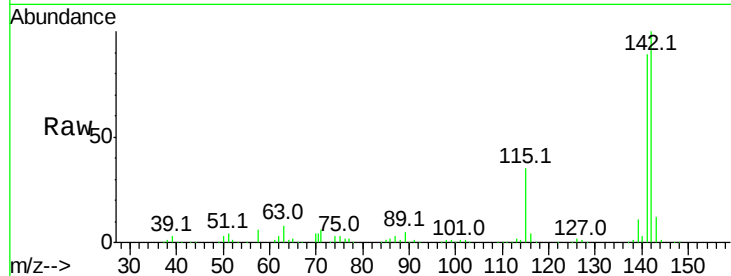
#37
2-Methylnaphthalene
Concen: 39.35 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

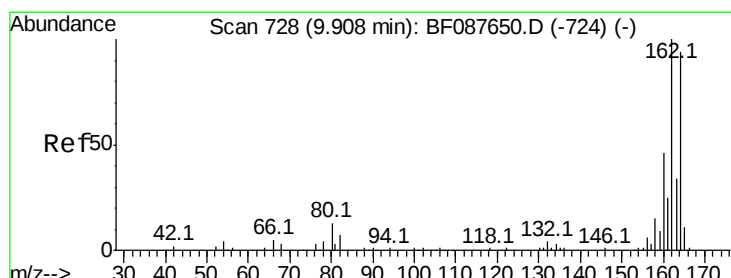
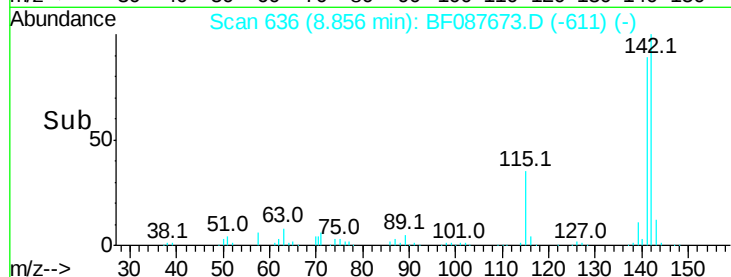
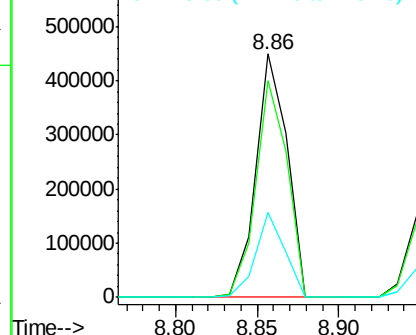
Tot Ion	Ratio	Resp	Lower	Upper
142	100	598796		
141	89.0		71.0	106.6
115	34.9		22.6	33.8#

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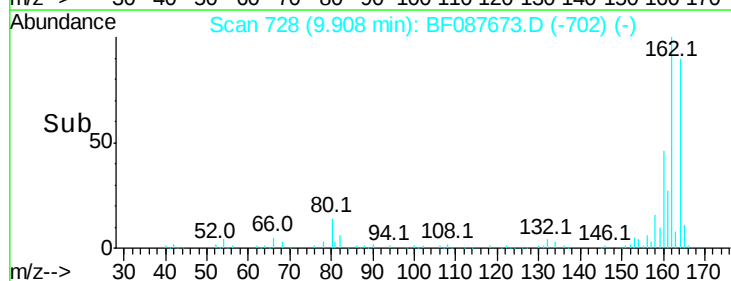
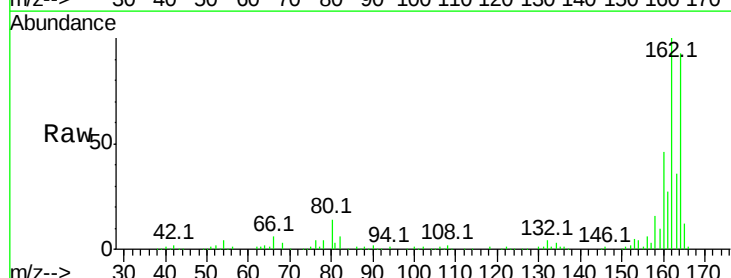
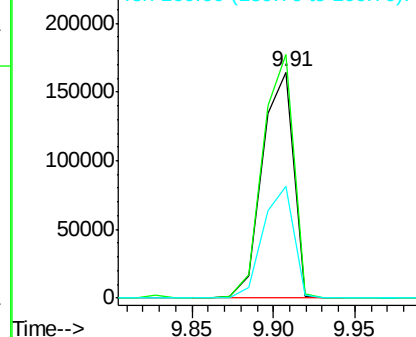
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

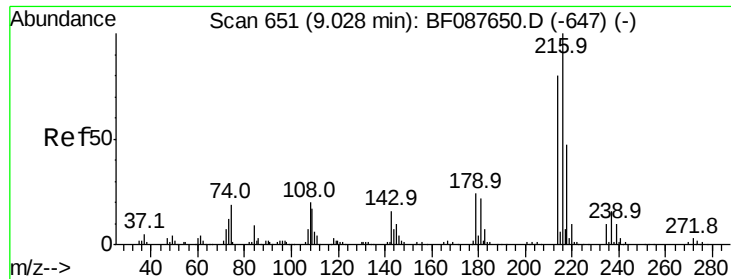


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218300		
162	107.7		85.4	128.2
160	49.6		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: 41.03 ng

RT: 9.03 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

ClientSampleId :

PB91074BS

Tot Ion:216 Resp: 246830
Ion Ratio Lower Upper

216 100

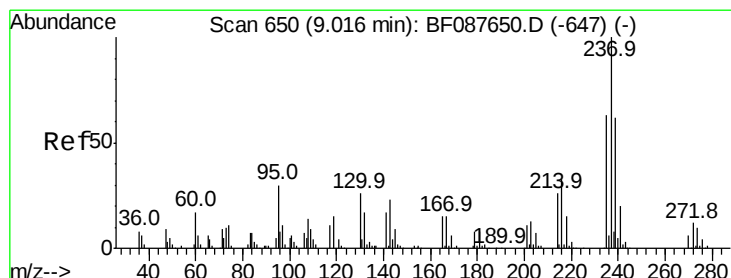
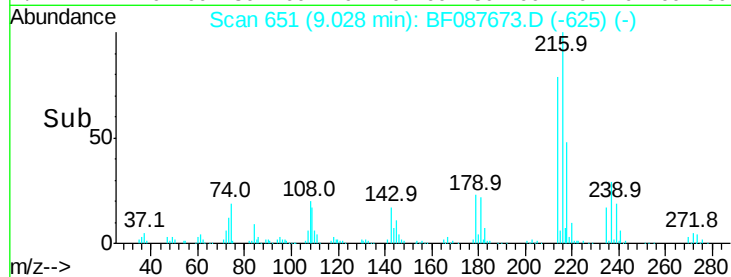
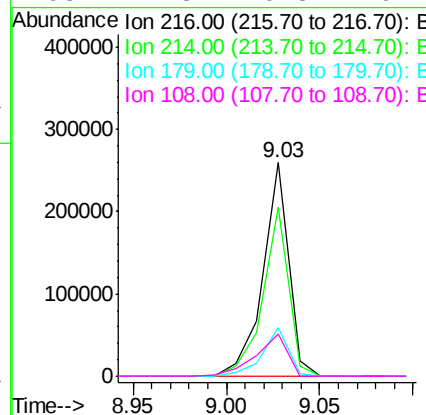
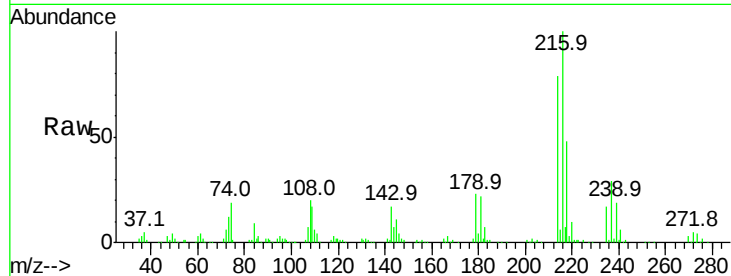
214 78.6 2.9 4.3#

179 22.8 0.0 0.0#

108 24.3 0.5 0.7#

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6/6/2016 7:18:28 PM



#40

Hexachlorocyclopentadiene

Concen: 77.88 ng

RT: 9.02 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF087673.D

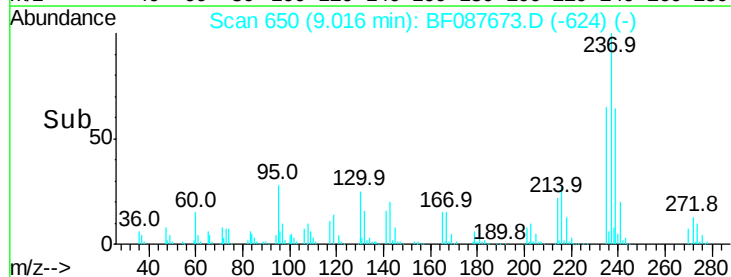
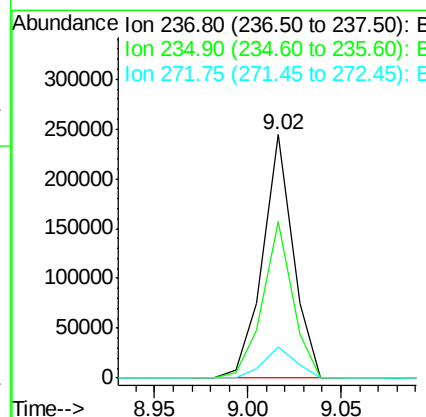
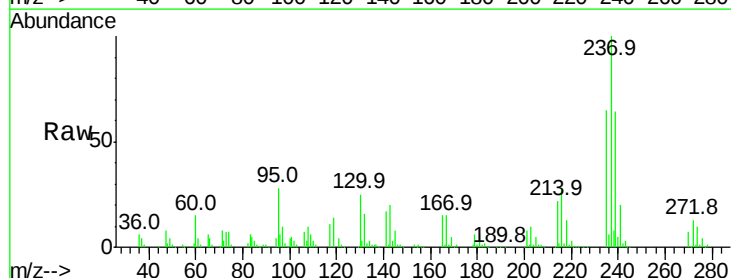
Acq: 4 Jun 2016 18:46

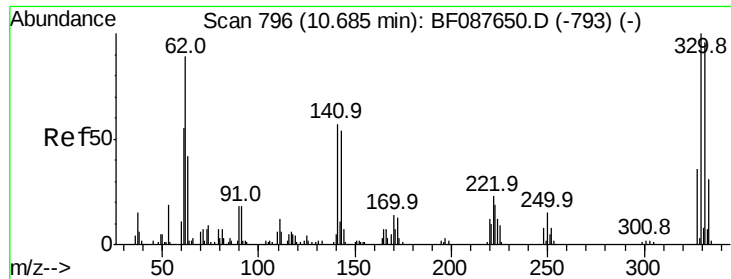
Tgt Ion:237 Resp: 275602
Ion Ratio Lower Upper

237 100

235 64.5 43.4 83.4

272 12.6 0.0 32.3





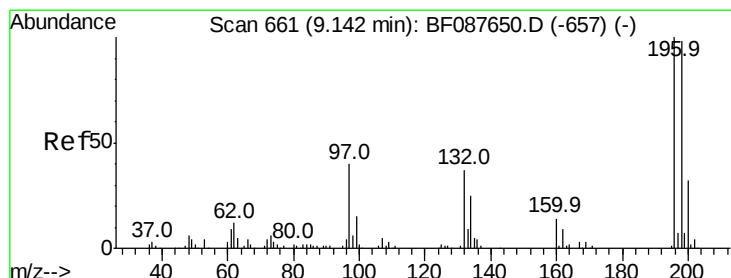
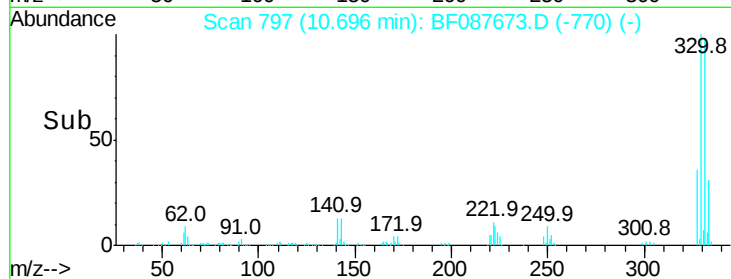
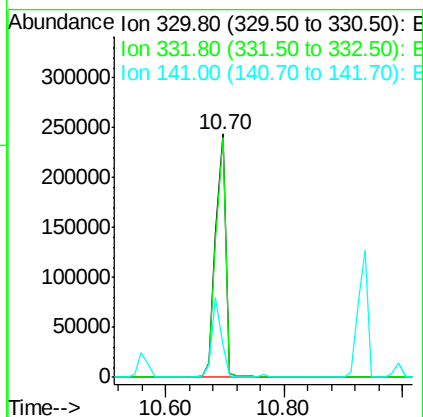
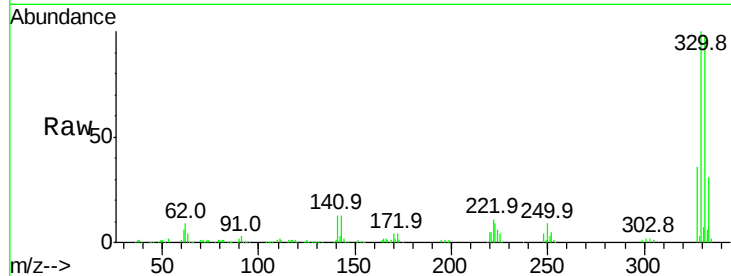
#41
 2,4,6-Tribromophenol
 Concen: 131.53 ng
 RT: 10.70 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	0.0	0.0	0.0
141	30.9	0.0	0.0	0.0

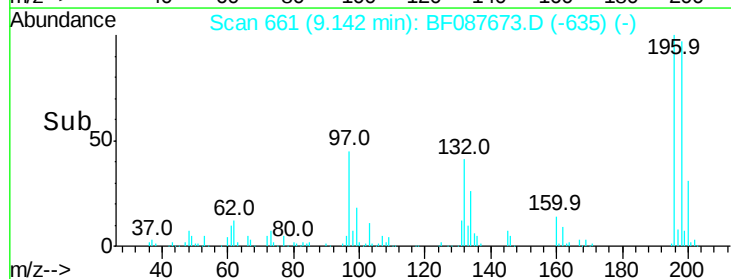
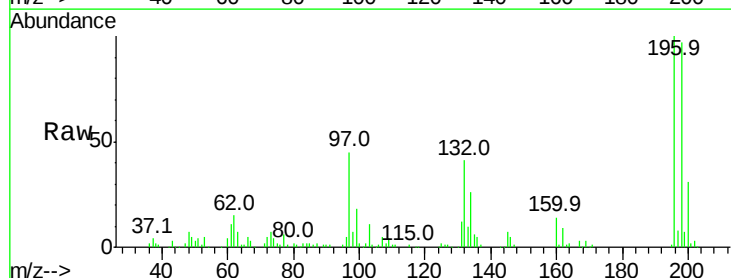
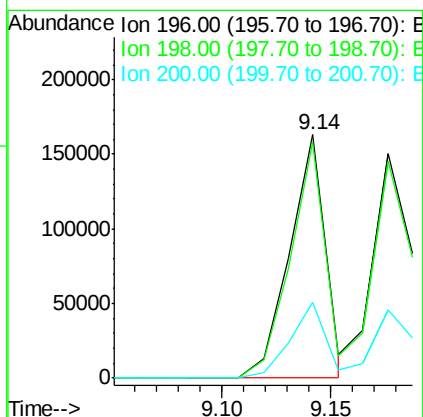
Manual Integrations
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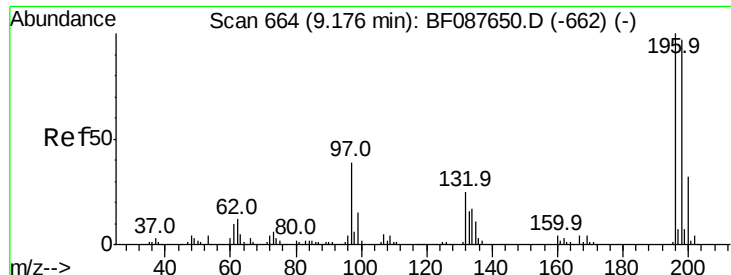
SOHIL
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#42
 2,4,6-Trichlorophenol
 Concen: 41.17 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

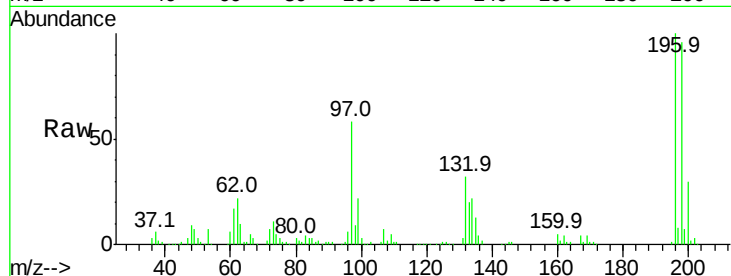
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.8	78.0	117.0	
200	31.3	25.4	38.2	





#43
 2,4,5-Trichlorophenol
 Concen: 46.34 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

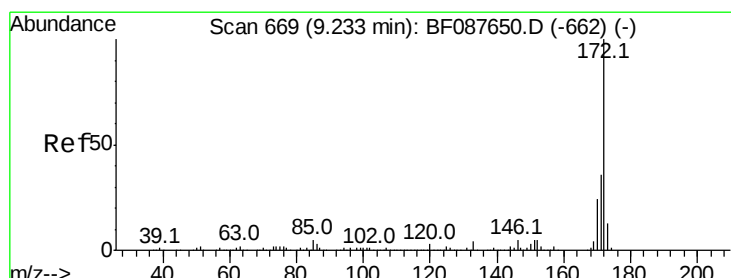
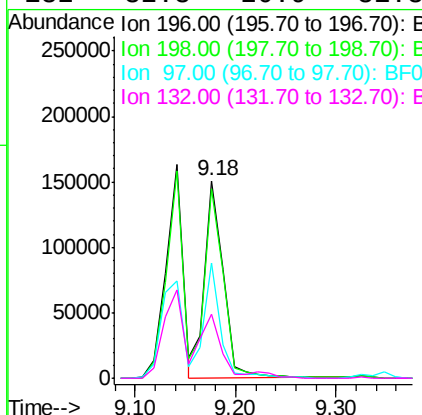
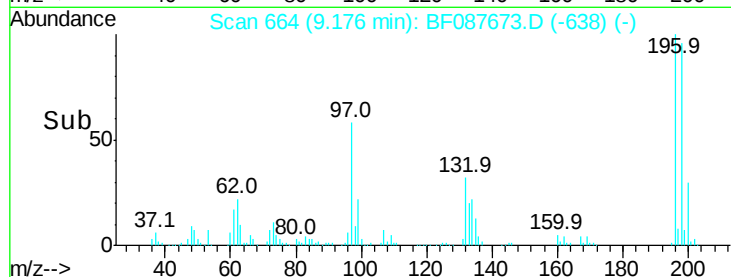
Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS



Tot Ion	Ratio	Resp	Lower	Upper
196	100	195961		
198	96.1	77.5	116.3	
97	58.1	32.0	48.0	
132	32.3	20.9	31.3	

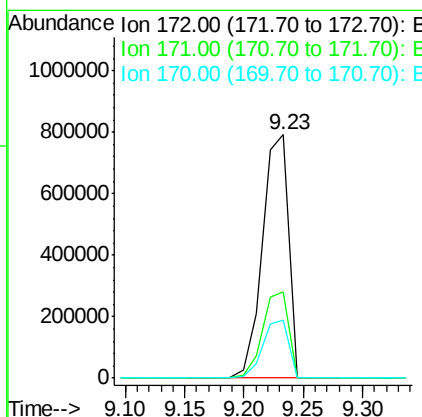
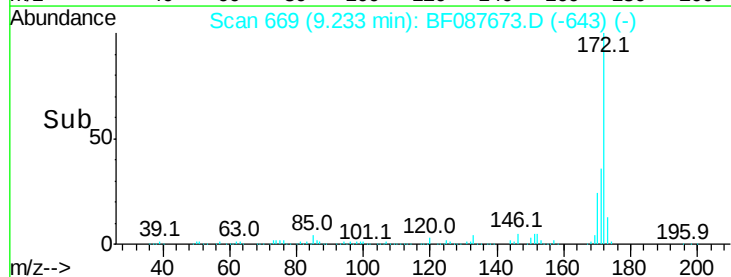
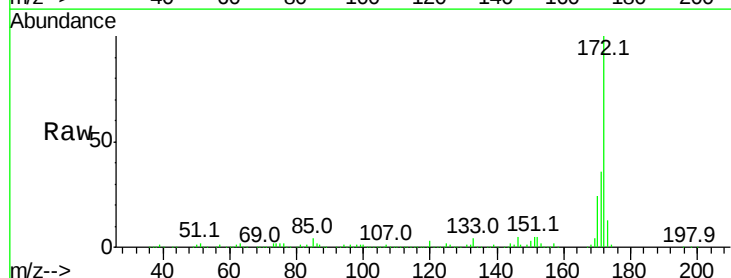
Manual Integrations
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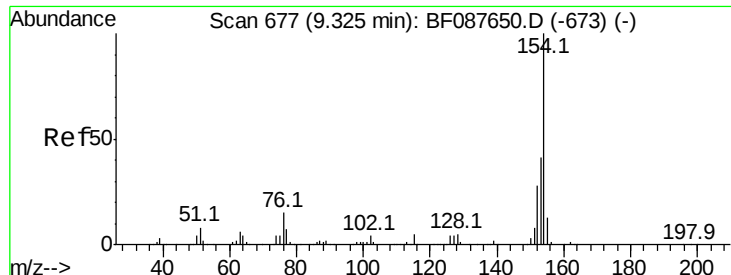
SOHIL
 6/6/2016 7:18:28 PM



#44
 2-Fluorobiphenyl
 Concen: 85.71 ng
 RT: 9.23 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1215729		
171	35.5	28.6	43.0	
170	24.0	19.2	28.8	





#45

1,1'-Biphenyl

Concen: 38.94 ng

RT: 9.32 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

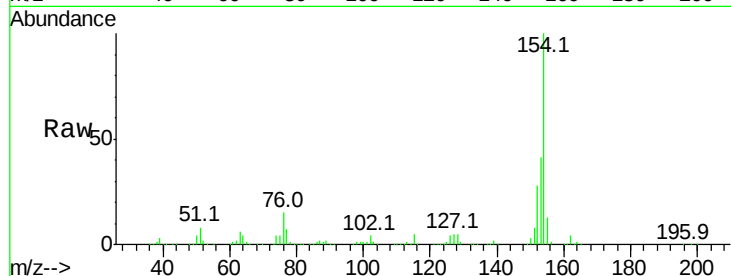
ClientSampled :

PB91074BS

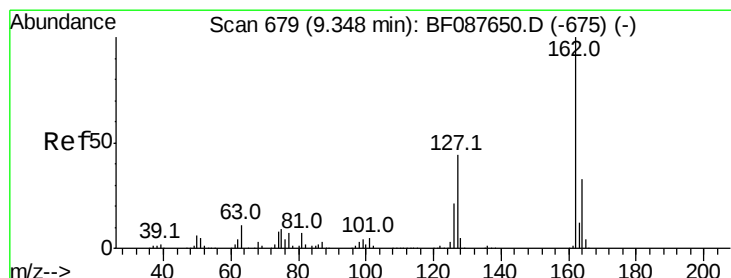
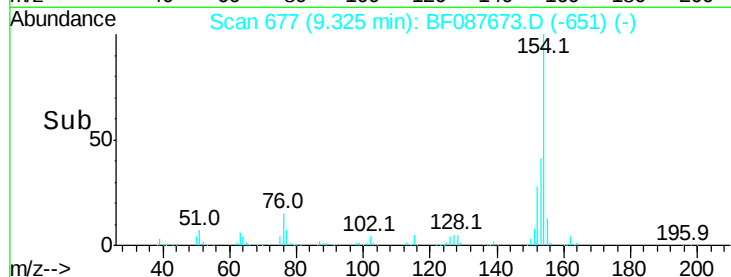
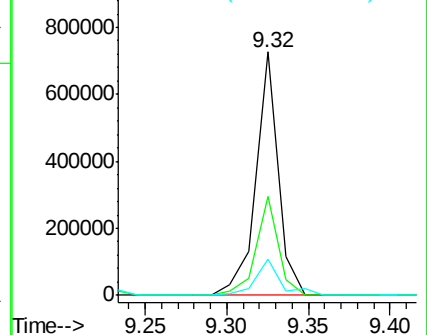
Tot Ion:	154	Resp:	689955
Ion Ratio	Lower	Upper	
154	100		
153	40.8	20.6	60.6
76	15.0	0.0	35.1

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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: 39.27 ng

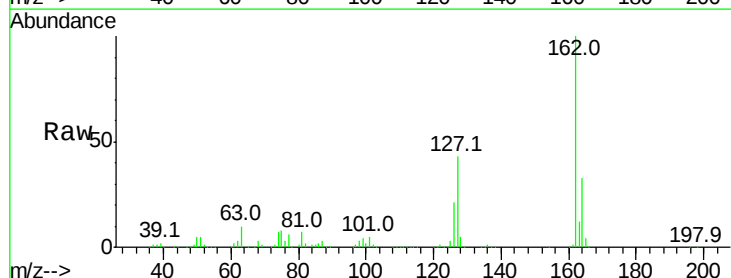
RT: 9.35 min Scan# 679

Delta R.T. -0.00 min

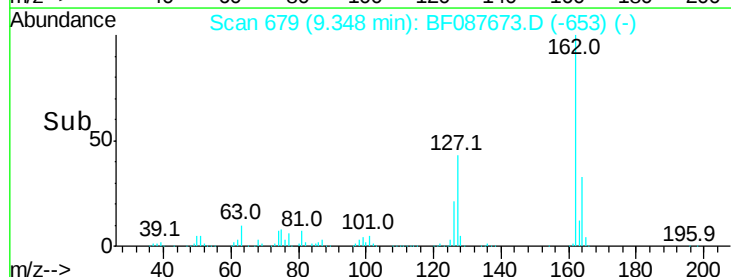
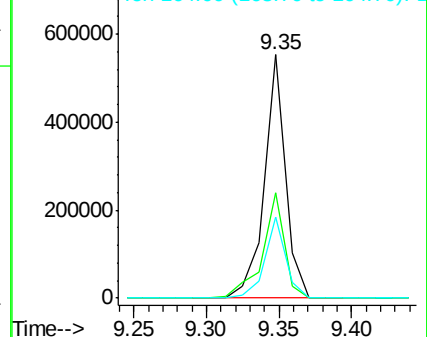
Lab File: BF087673.D

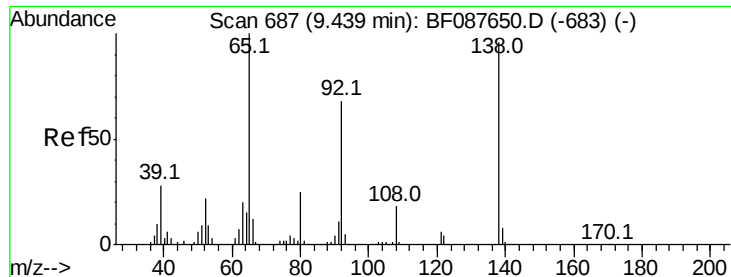
Acq: 4 Jun 2016 18:46

Tgt Ion:	162	Resp:	553768
Ion Ratio	Lower	Upper	
162	100		
127	43.1	35.2	52.8
164	33.4	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: 41.43 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

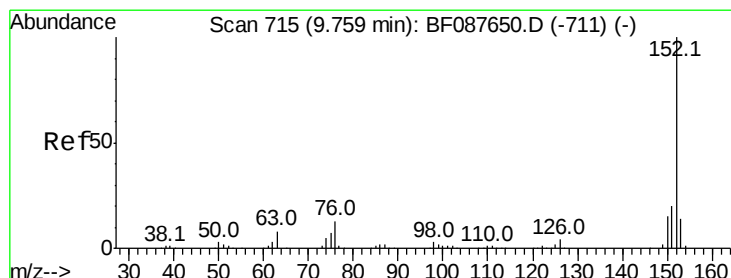
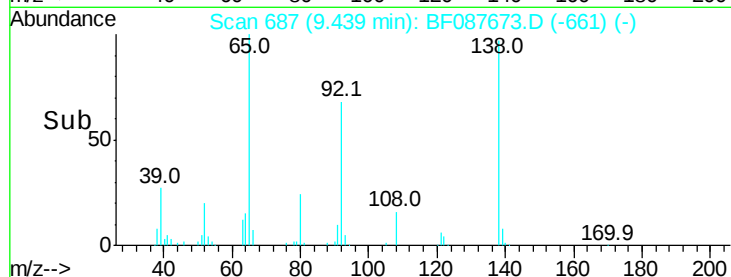
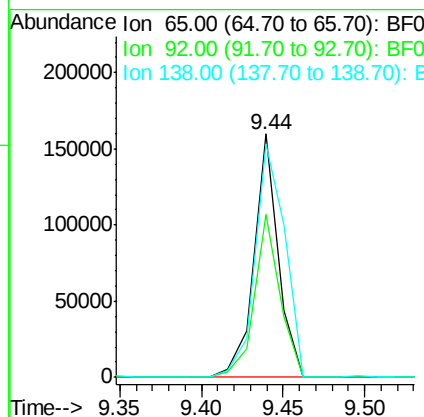
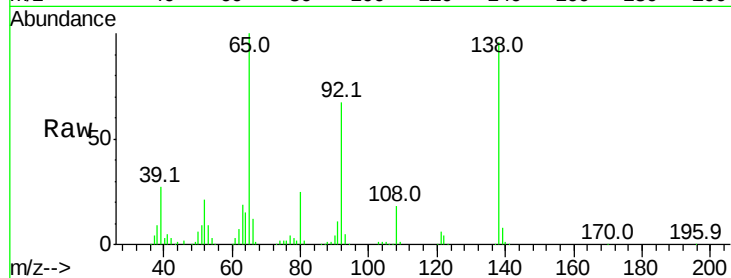
ClientSampleId :

PB91074BS

Tot Ion:	65	Resp:	164536
Ion Ratio	Lower	Upper	
65	100		
92	67.0	54.6	82.0
138	96.1	77.0	115.4

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#48

Acenaphthylene

Concen: 42.58 ng

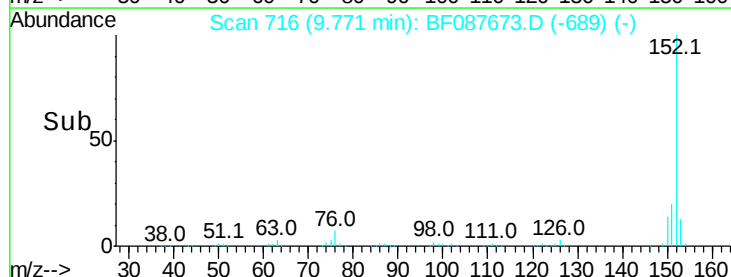
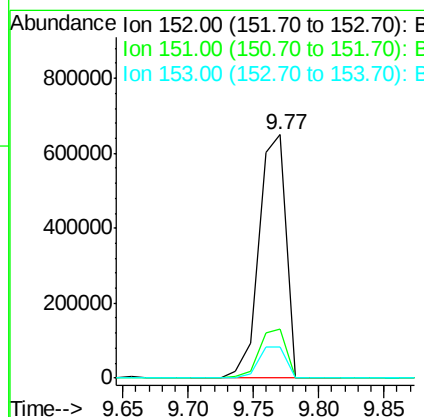
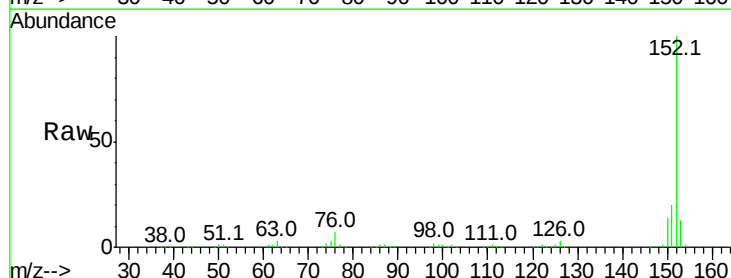
RT: 9.77 min Scan# 716

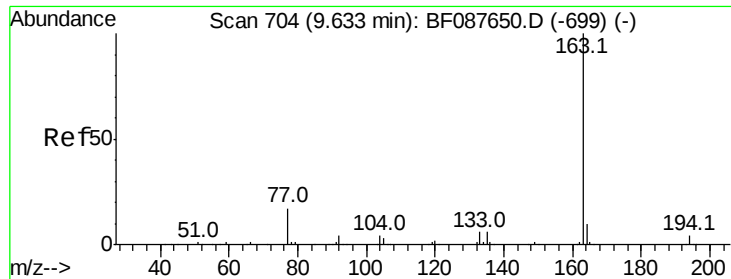
Delta R.T. 0.01 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	152	Resp:	936587
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.4
153	12.9	11.0	16.6





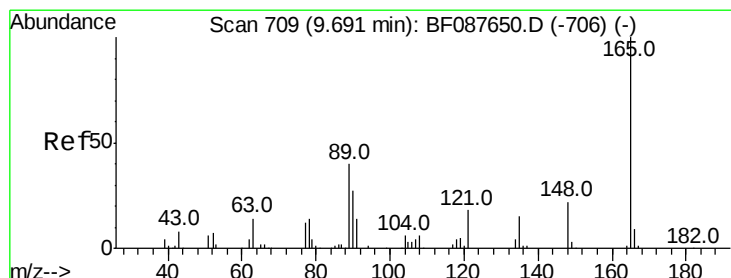
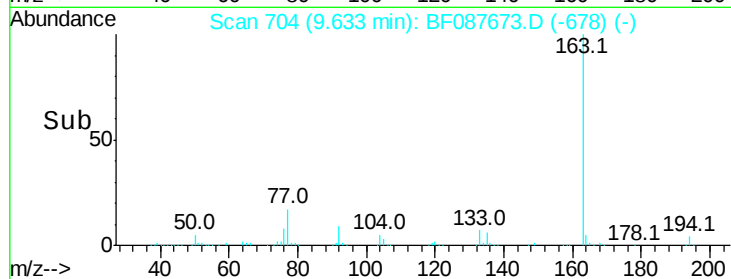
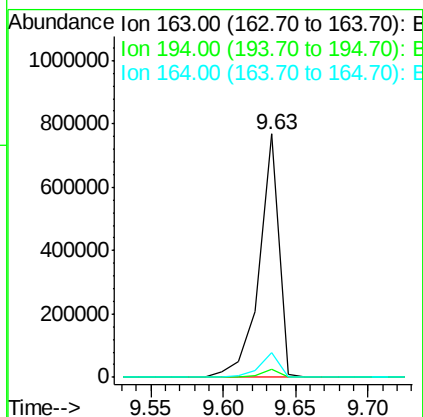
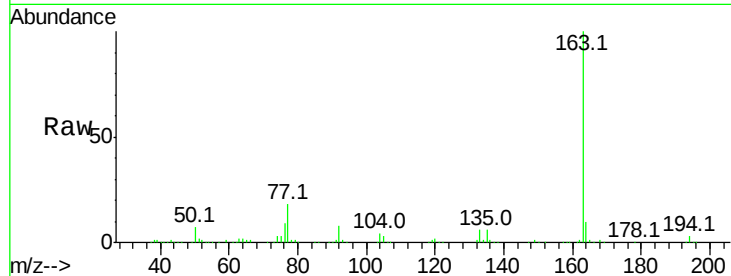
#49
Dimethylphthalate
Concen: 45.60 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampled :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	723627		
194	3.5		2.8	4.2
164	10.2		8.3	12.5

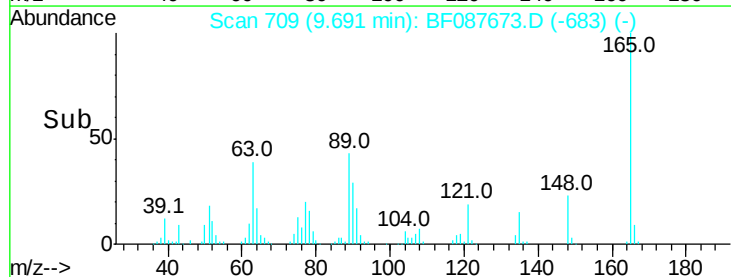
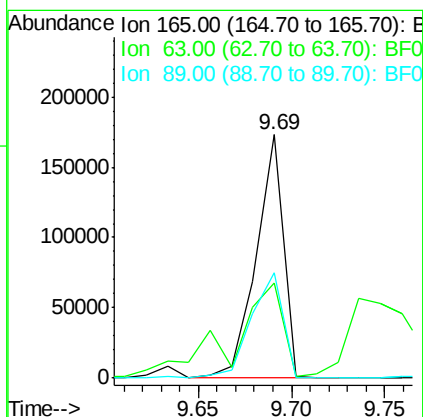
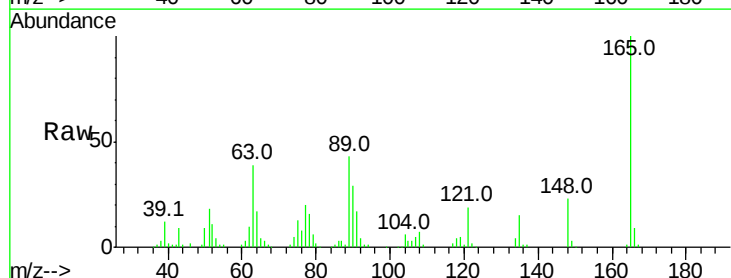
Manual Integrations
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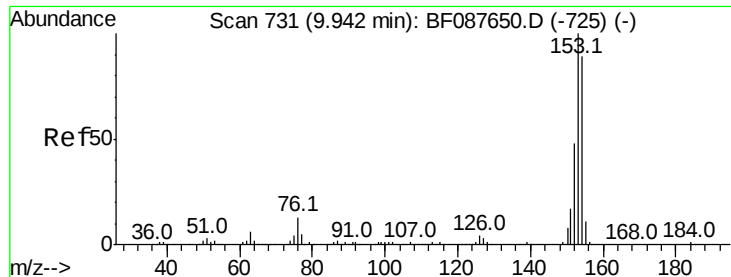
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#50
2,6-Dinitrotoluene
Concen: 48.05 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	173497		
63	39.3		28.1	42.1
89	43.1		32.2	48.2





#51

Acenaphthene

Concen: 45.33 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

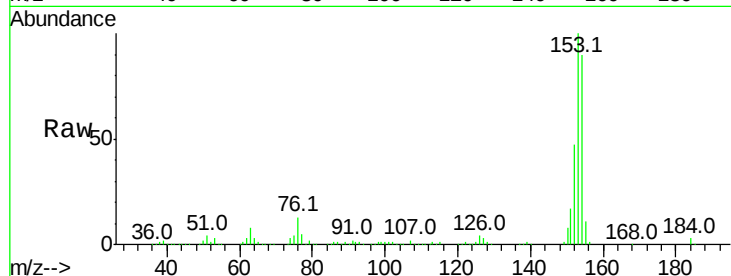
ClientSampled :

PB91074BS

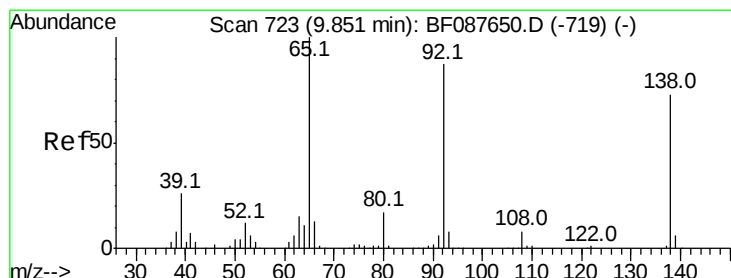
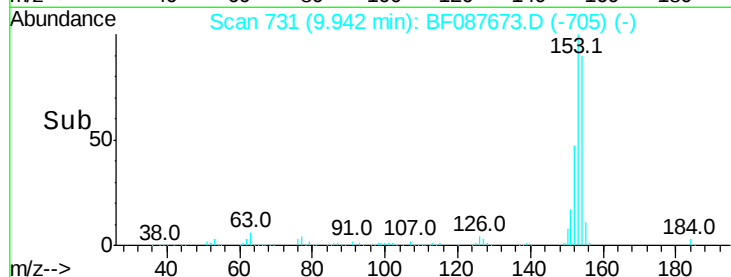
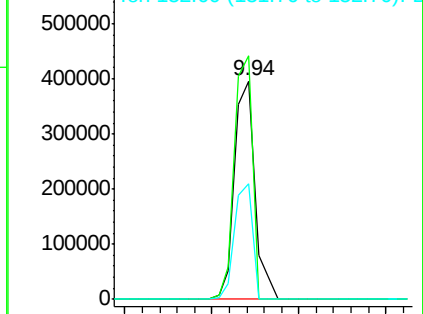
Tot Ion:	154	Resp:	641513
Ion Ratio	Lower	Upper	
154	100		
153	111.6	89.5	134.3
152	52.8	42.7	64.1

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 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.16 ng

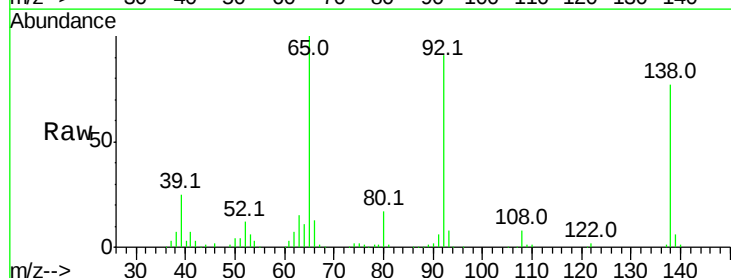
RT: 9.85 min Scan# 723

Delta R.T. -0.00 min

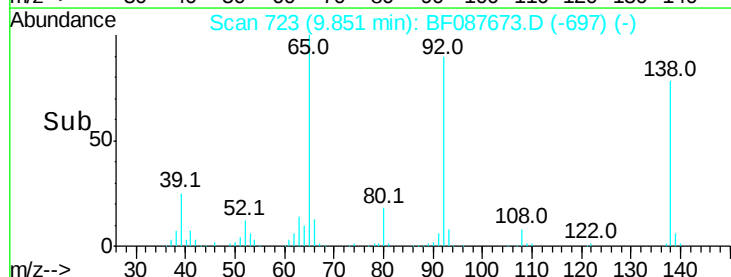
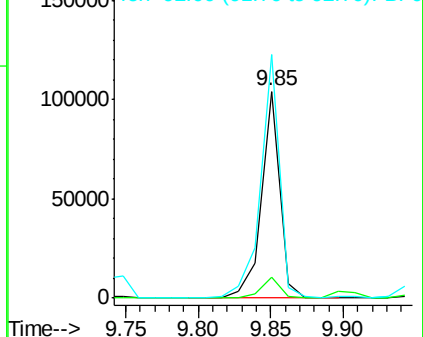
Lab File: BF087673.D

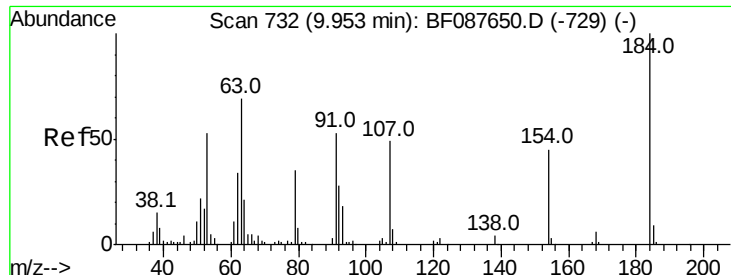
Acq: 4 Jun 2016 18:46

Tgt Ion:	138	Resp:	91512
Ion Ratio	Lower	Upper	
138	100		
108	10.3	8.5	12.7
92	117.7	95.7	143.5



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





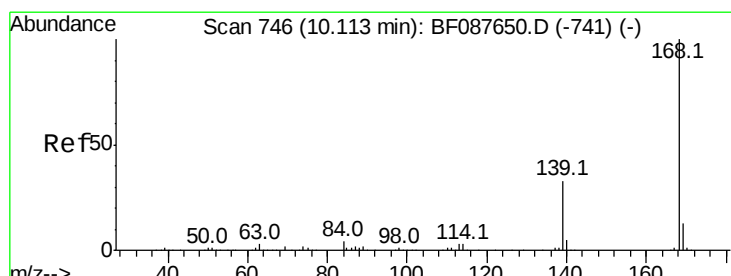
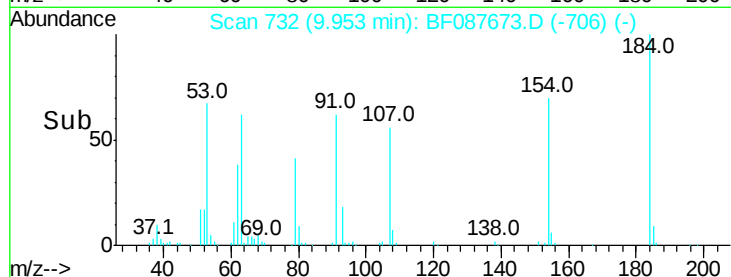
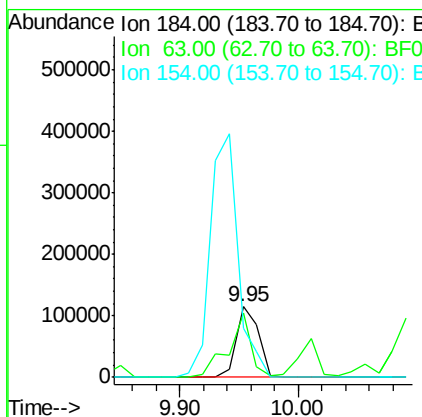
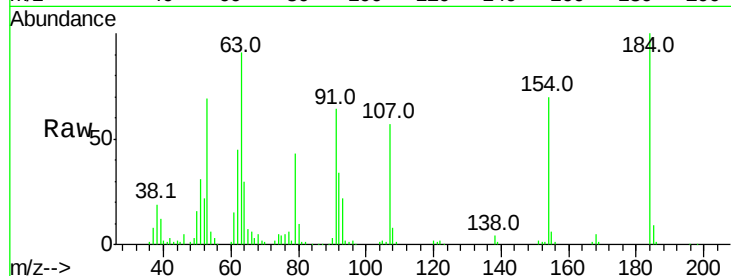
#53
2,4-Dinitrophenol
Concen: 91.08 ng
RT: 9.95 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleID :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	150175		
63	91.4	57.6	86.4#	
154	69.5	53.5	80.3	

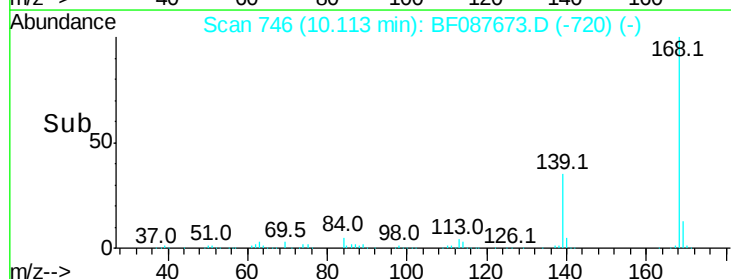
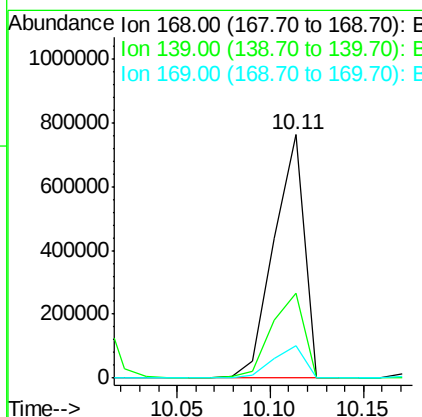
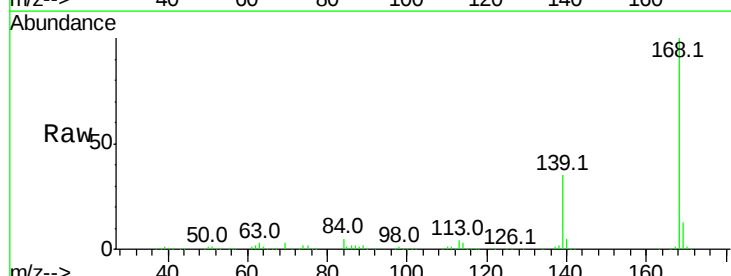
Manual Integrations
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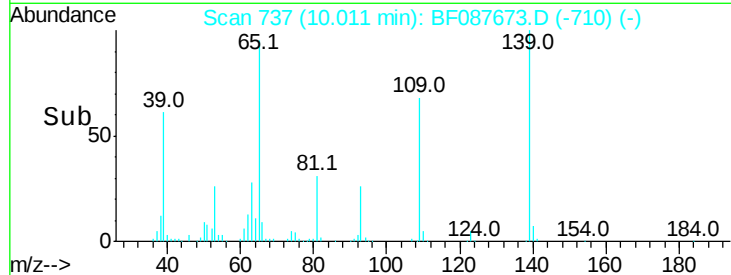
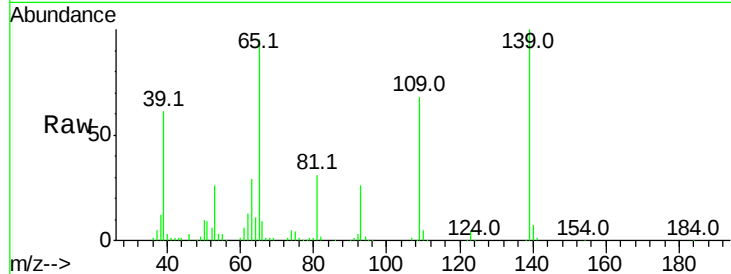
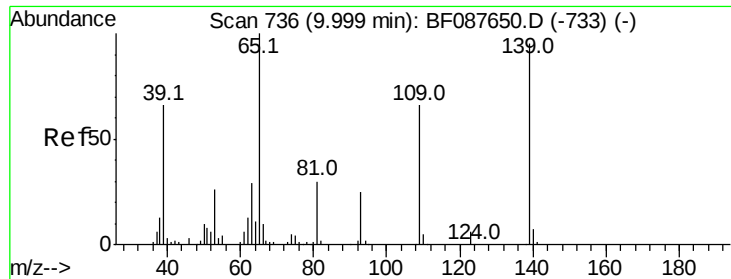
SOHIL
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#54
Dibenzofuran
Concen: 45.00 ng
RT: 10.11 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	866955		
139	34.7	26.4	39.6	
169	13.4	10.4	15.6	





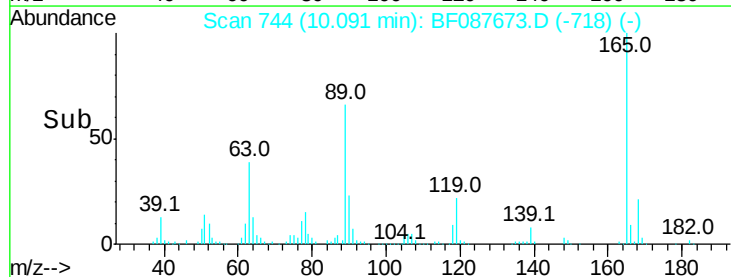
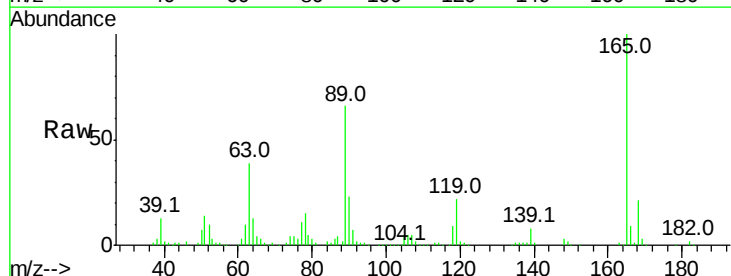
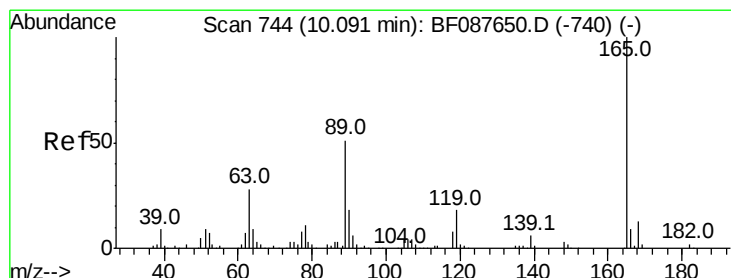
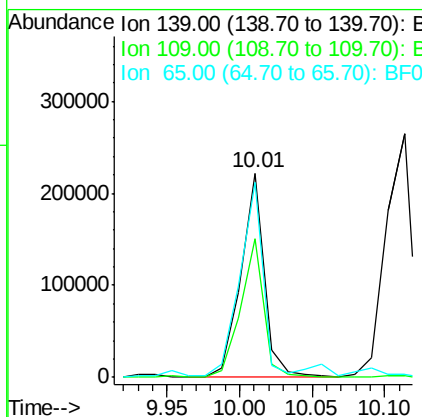
#55
4-Nitrophenol
Concen: 70.88 ng
RT: 10.01 min Scan# 737
Delta R.T. 0.01 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tot Ion	Ratio	Resp	Lower	Upper
139	100	250201		
109	68.0	48.9	88.9	
65	95.5	84.9	124.9	

Instrument :
BNA_F
ClientSampleId :
PB91074BS

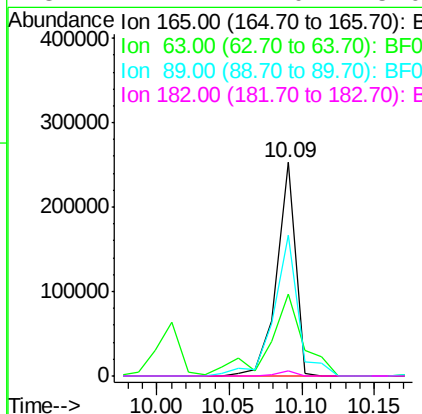
Manual Integrations
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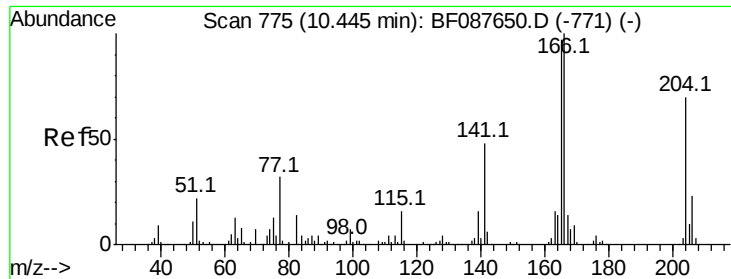
SOHIL
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#56
2,4-Dinitrotoluene
Concen: 49.73 ng
RT: 10.09 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	228640		
63	38.5	22.0	33.0#	
89	66.0	41.1	61.7#	
182	2.2	2.0	3.0	





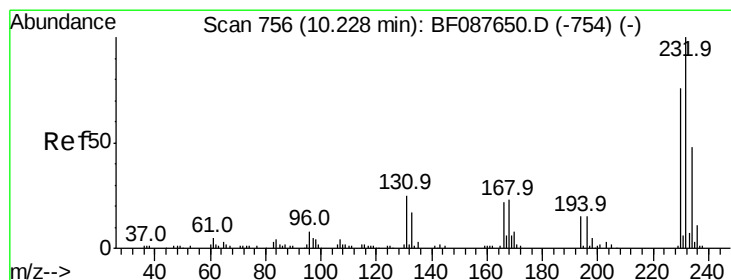
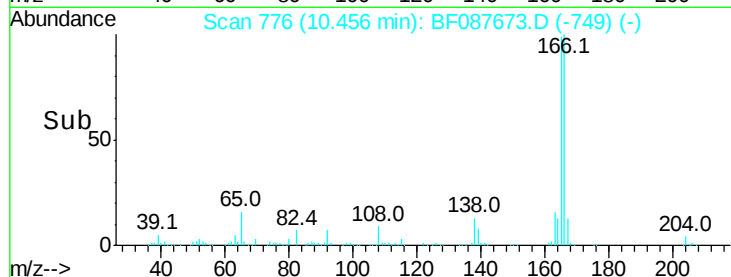
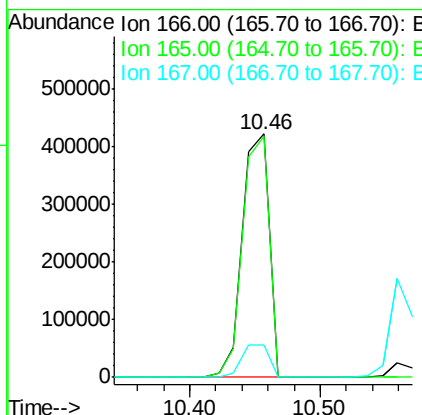
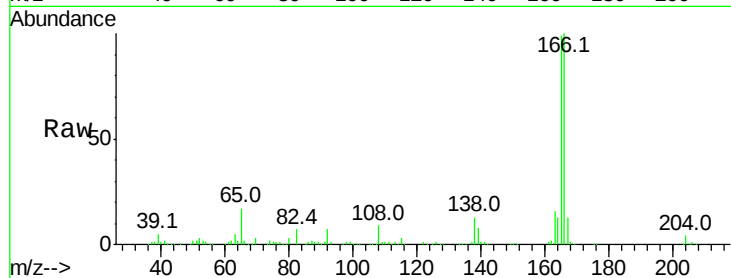
#57
 Fluorene
 Concen: 39.78 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampled :
 PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	599111		
165	98.9		77.8	116.8
167	13.1		11.2	16.8

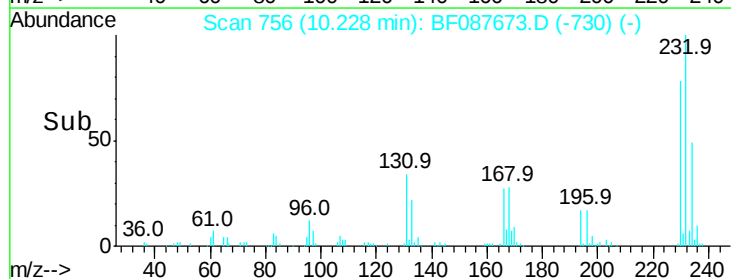
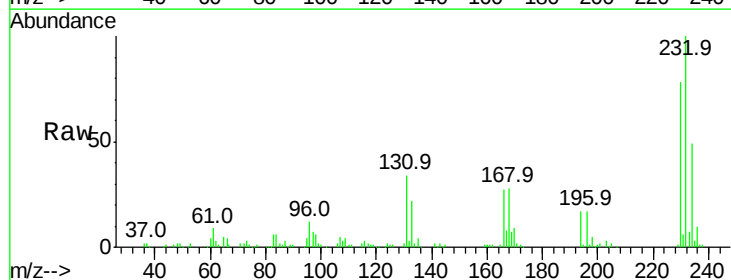
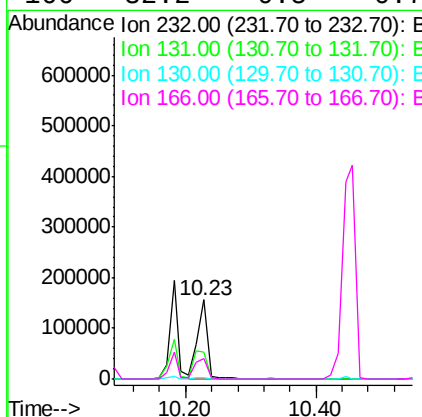
Manual Integrations
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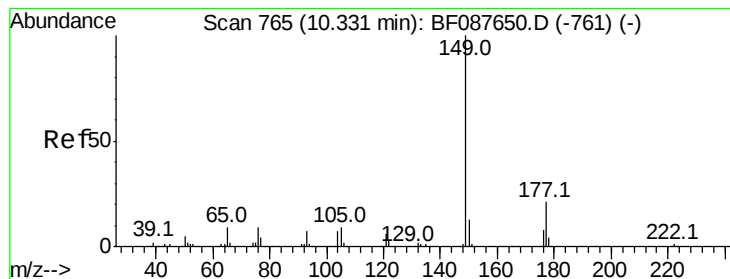
SOHIL
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 45.61 ng
 RT: 10.23 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	166125		
131	48.0		0.9	1.3#
130	2.3		1.5	2.3#
166	32.2		0.5	0.7#





#59

Diethylphthalate

Concen: 40.78 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

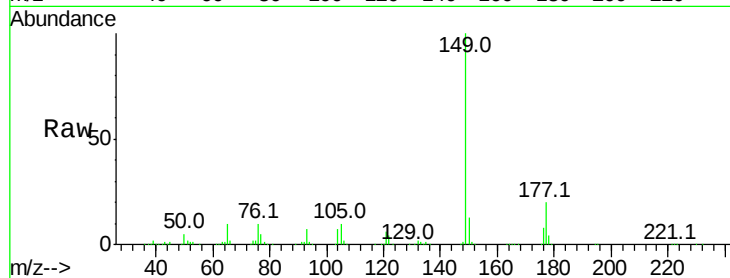
ClientSampleId :

PB91074BS

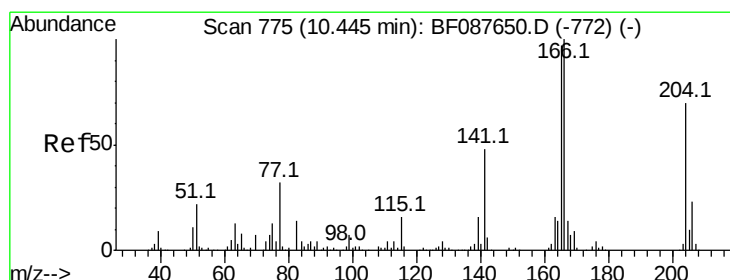
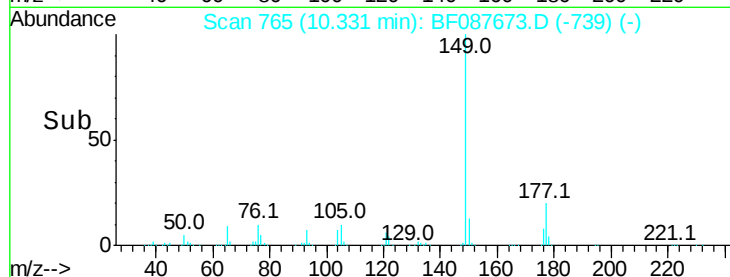
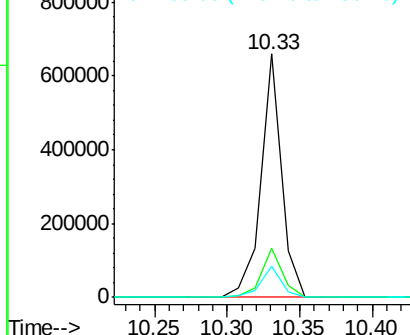
Tot Ion:	149	Resp:	649930
Ion Ratio	Lower	Upper	
149	100		
177	20.3	16.9	25.3
150	12.8	10.1	15.1

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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: 47.63 ng

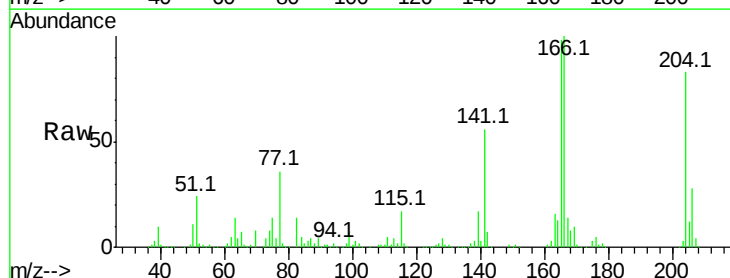
RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

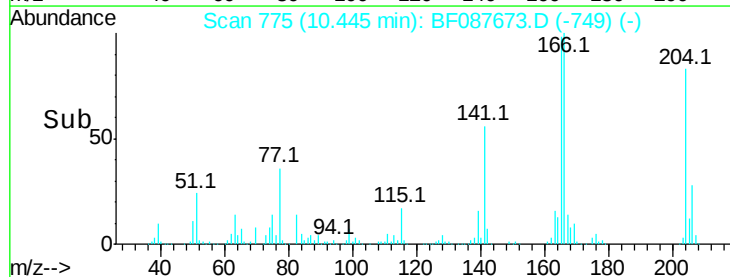
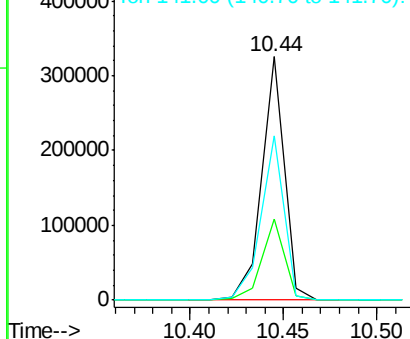
Lab File: BF087673.D

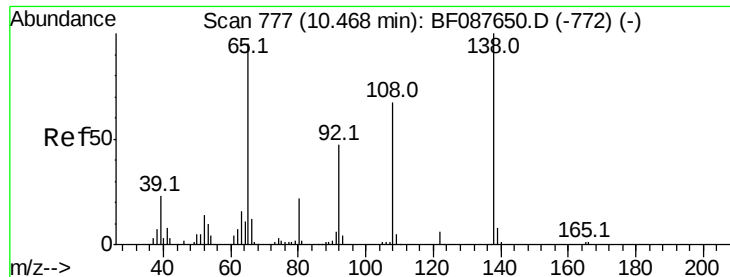
Acq: 4 Jun 2016 18:46

Tgt Ion:	204	Resp:	269534
Ion Ratio	Lower	Upper	
204	100		
206	33.2	26.3	39.5
141	67.2	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





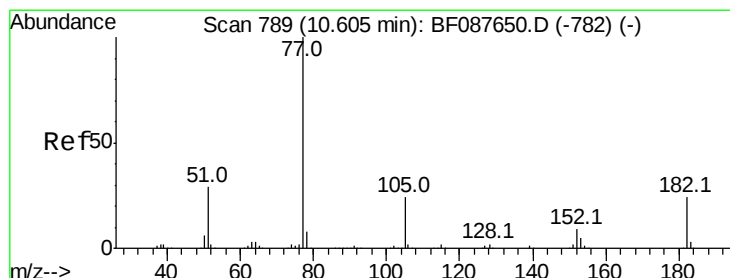
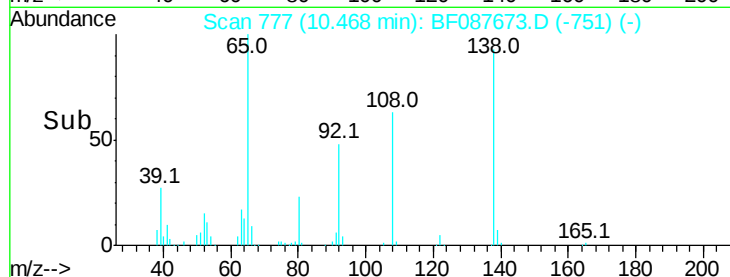
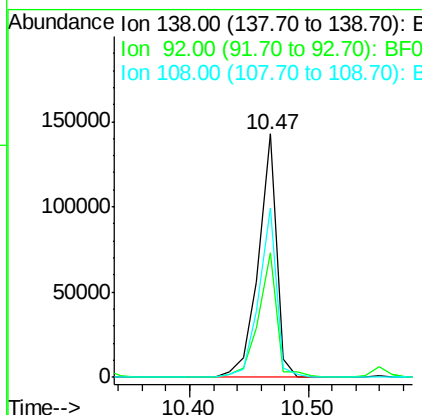
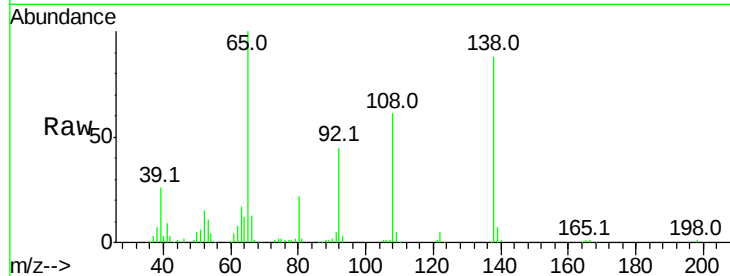
#61
4-Nitroaniline
Concen: 39.04 ng
RT: 10.47 min Scan# 777
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampled :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	154997		
92	51.1	27.3	67.3	
108	69.8	46.7	86.7	

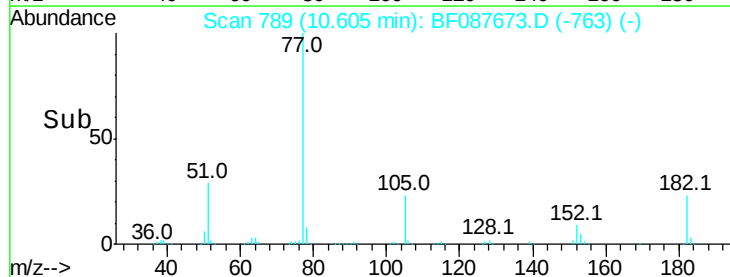
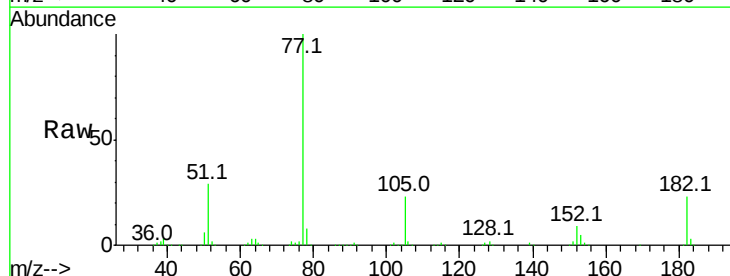
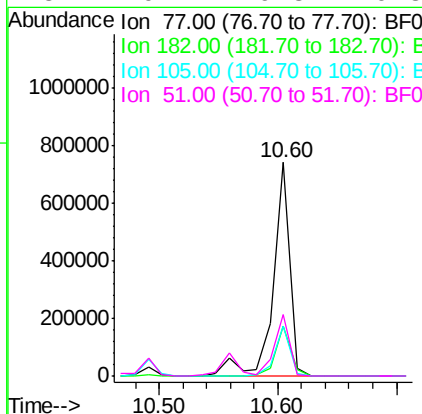
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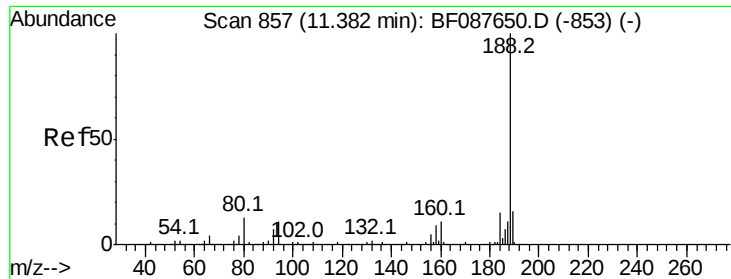
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#62
Azobenzene
Concen: 45.33 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	727293		
182	23.3	4.4	44.4	
105	23.1	3.8	43.8	
51	29.1	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: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

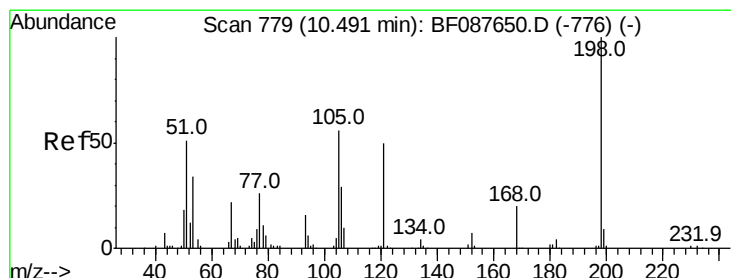
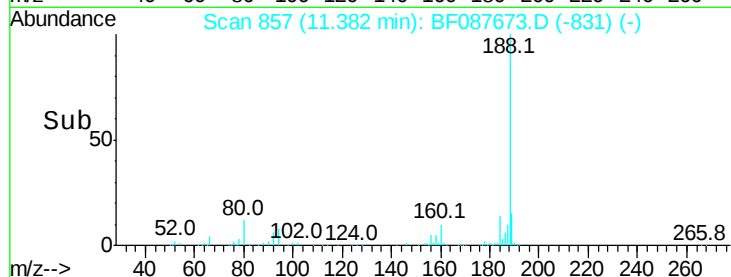
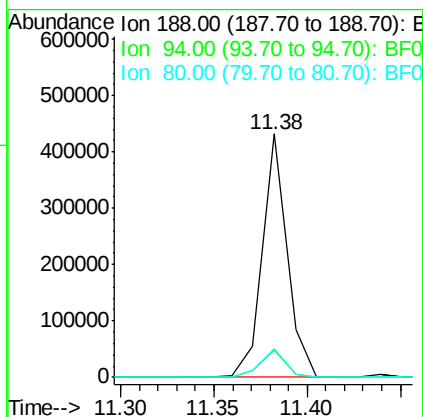
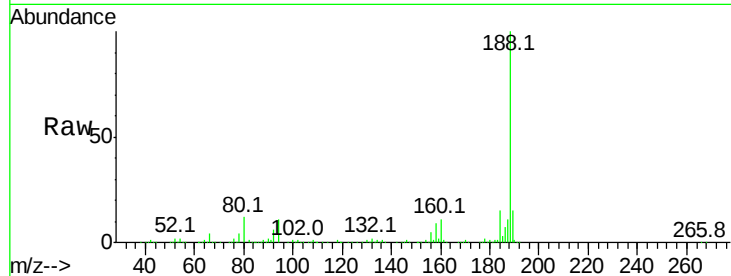
ClientSampleId :

PB91074BS

Tot Ion:	188	Resp:	395257
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.0	13.6
80	12.0	10.0	15.0

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#64

4,6-Dinitro-2-methylphenol

Concen: 44.09 ng

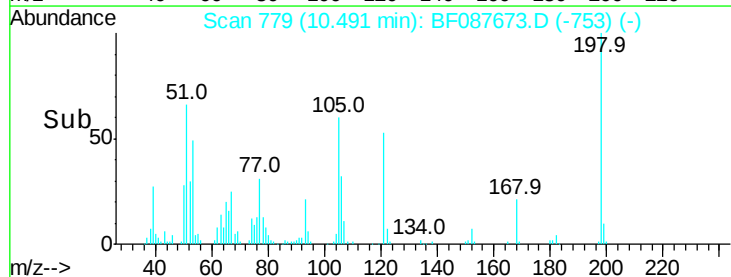
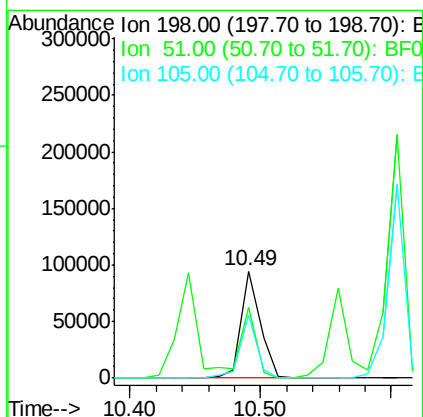
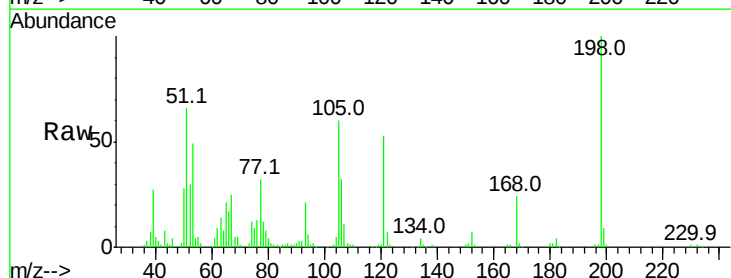
RT: 10.49 min Scan# 779

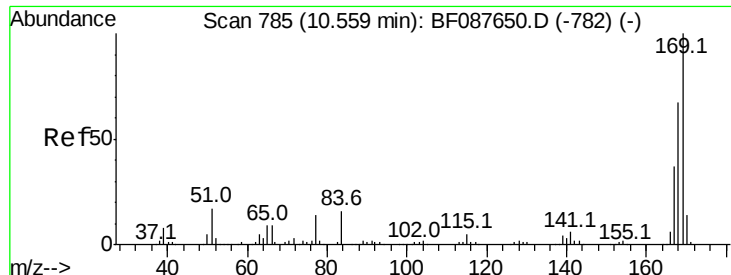
Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	198	Resp:	96494
Ion Ratio	Lower	Upper	
198	100		
51	66.0	39.6	79.6
105	59.6	36.6	76.6





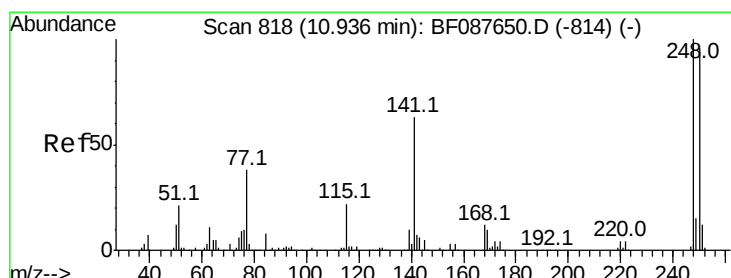
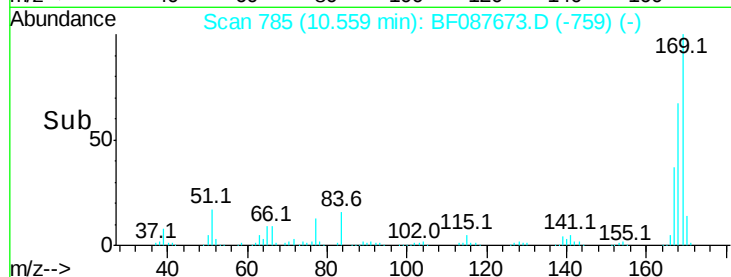
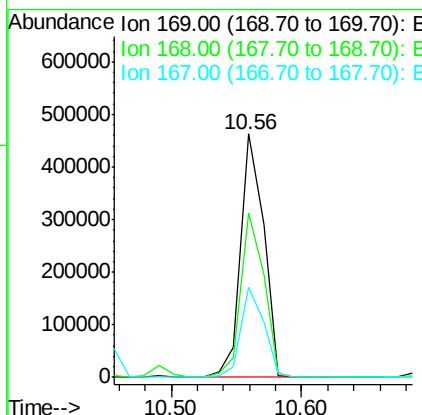
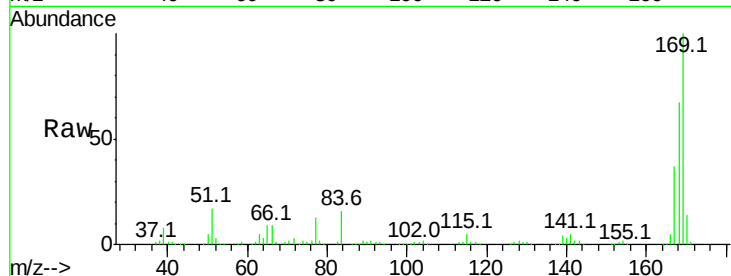
#65
n-Nitrosodiphenylamine
Concen: 43.59 ng
RT: 10.56 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	564315		
168	67.5		53.4	80.0
167	36.9		29.4	44.0

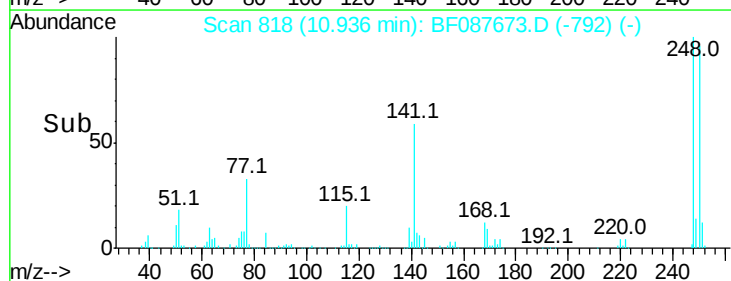
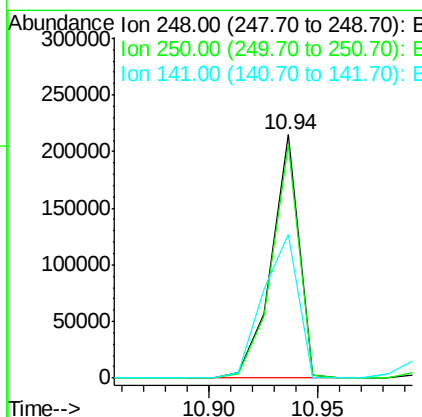
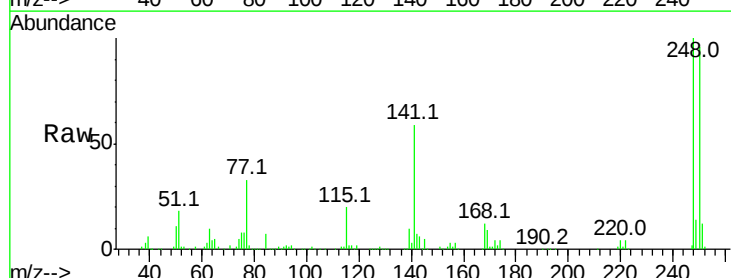
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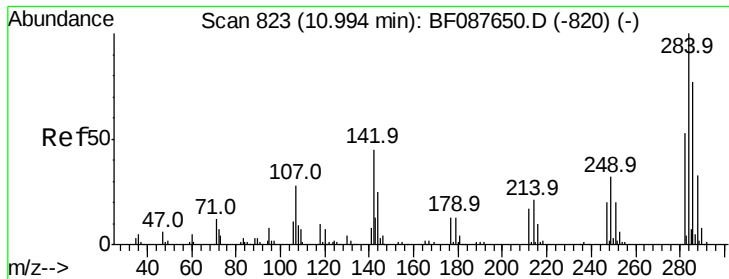
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#66
4-Bromophenyl-phenylether
Concen: 48.74 ng
RT: 10.94 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	191028		
250	96.0		77.1	115.7
141	59.3		50.6	76.0





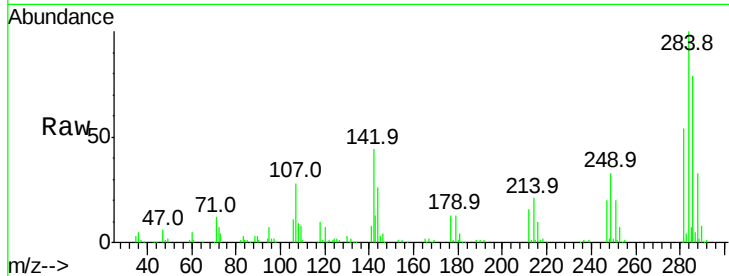
#67
Hexachlorobenzene
Concen: 41.16 ng
RT: 10.99 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

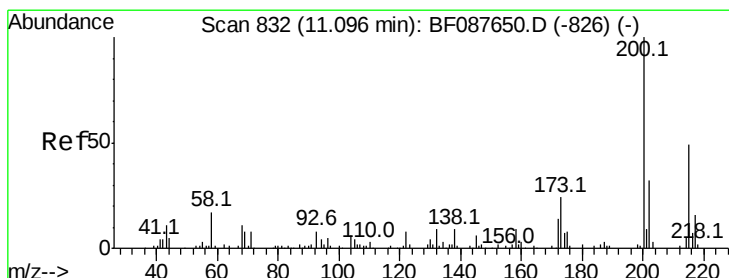
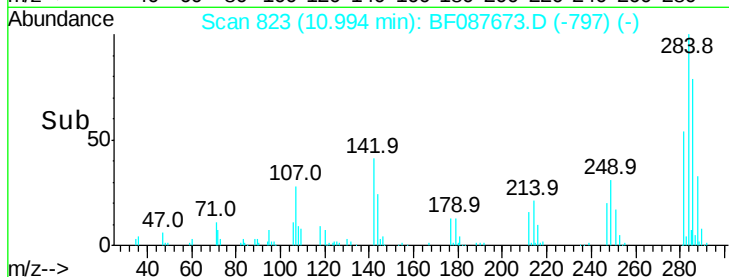
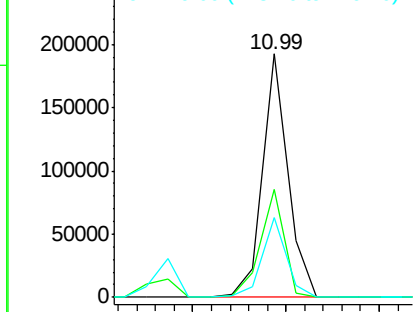
Tot Ion	Ratio	Resp	Lower	Upper
284	100	180414		
142	44.4	35.8	53.8	
249	32.7	25.8	38.6	

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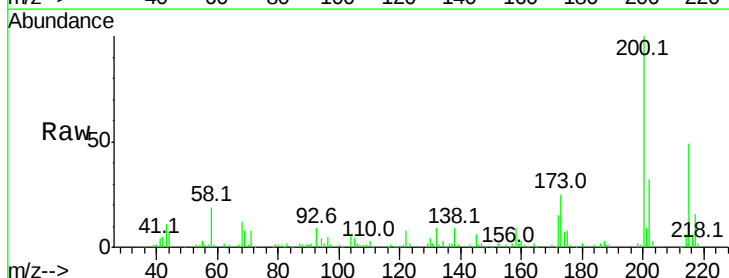


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

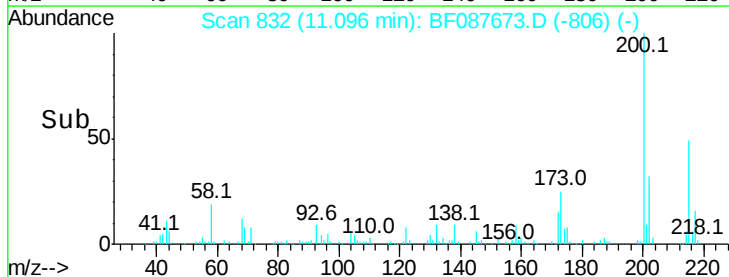
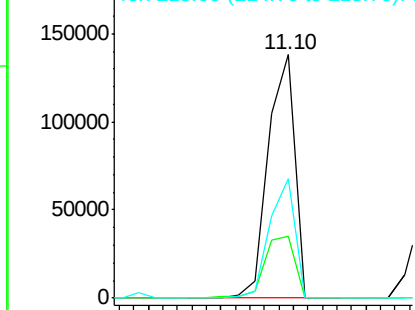


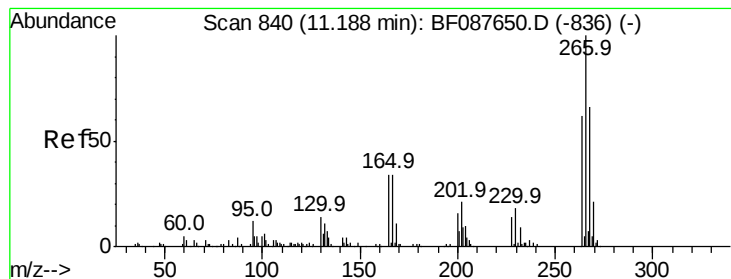
#68
Atrazine
Concen: 45.58 ng
RT: 11.10 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	174812		
173	25.2	4.0	44.0	
215	49.3	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: 88.81 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

ClientSampleId :

PB91074BS

Tot Ion:266 Resp: 231278

Ion Ratio Lower Upper

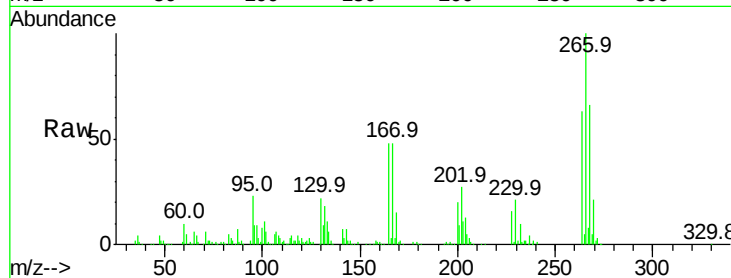
266 100

268 65.9 52.8 79.2

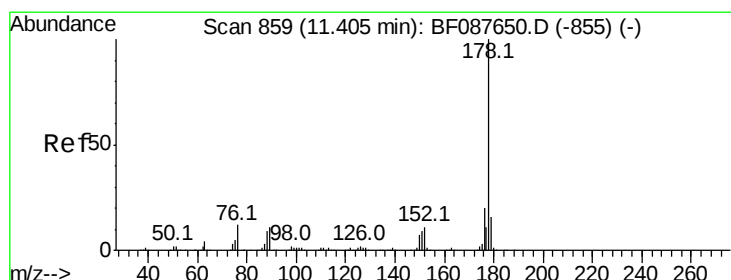
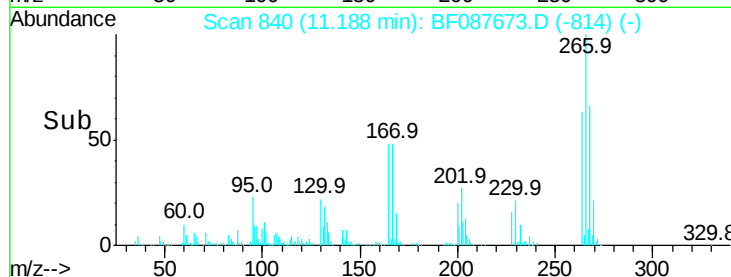
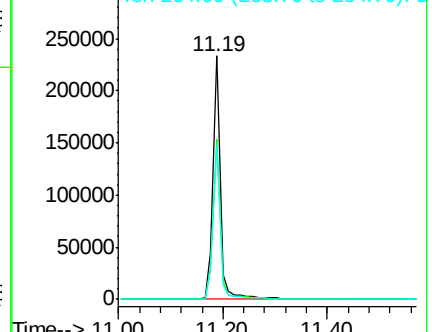
264 63.2 49.6 74.4

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



#70

Phenanthrene

Concen: 40.95 ng

RT: 11.41 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

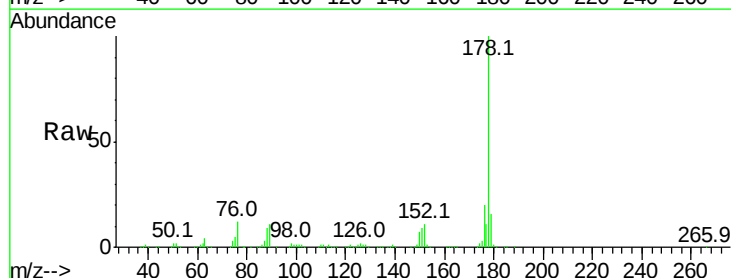
Tgt Ion:178 Resp: 877529

Ion Ratio Lower Upper

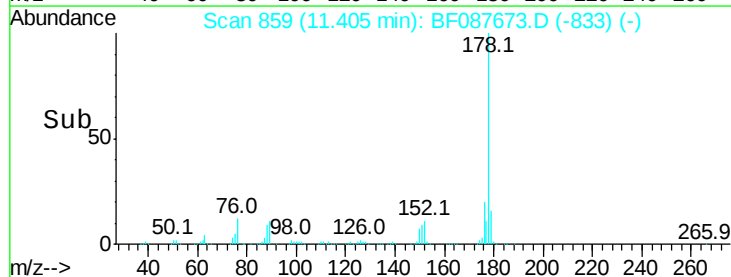
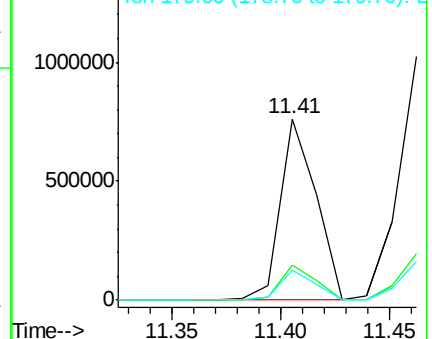
178 100

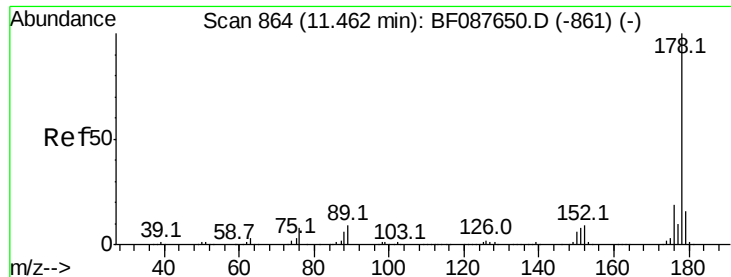
176 19.5 15.8 23.6

179 16.2 13.0 19.4



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





#71

Anthracene

Concen: 44.65 ng

RT: 11.46 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

ClientSampleId :

PB91074BS

Tot Ion:178 Resp: 958724

Ion Ratio Lower Upper

178 100

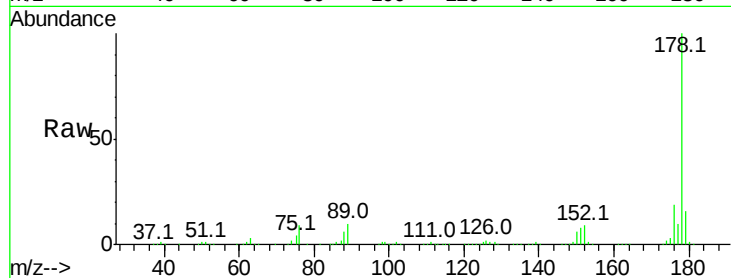
176 19.2 15.6 23.4

179 15.9 12.8 19.2

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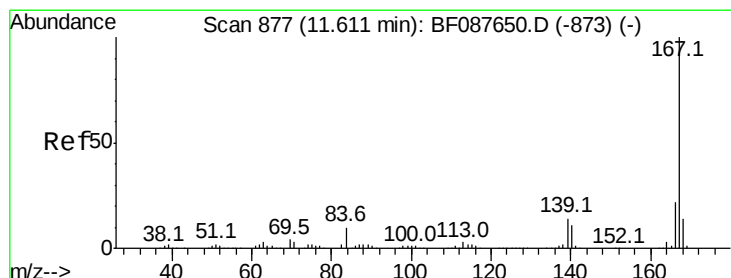
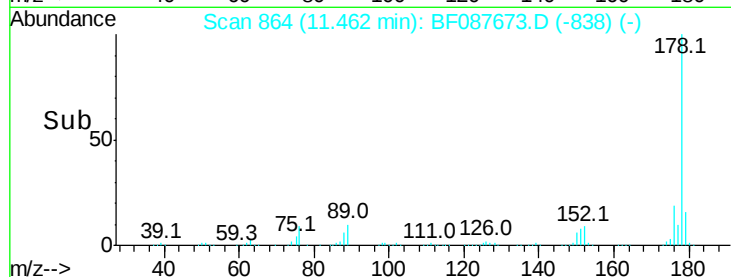
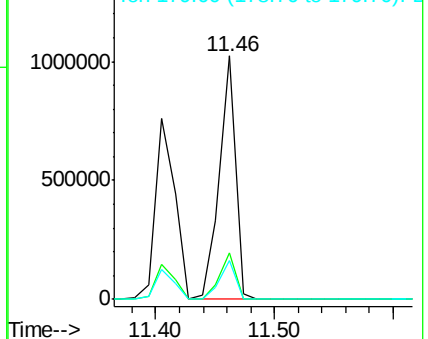
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.83 ng

RT: 11.61 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

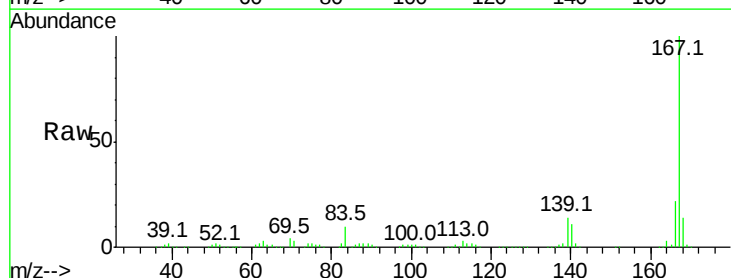
Tgt Ion:167 Resp: 830012

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.6

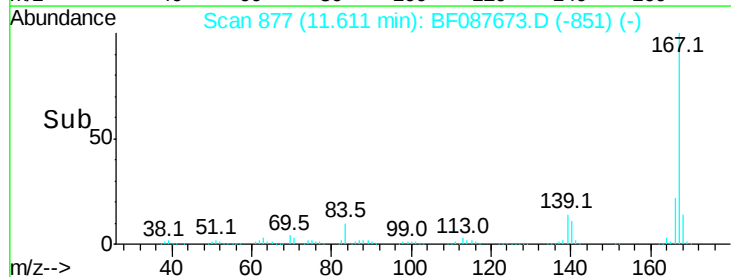
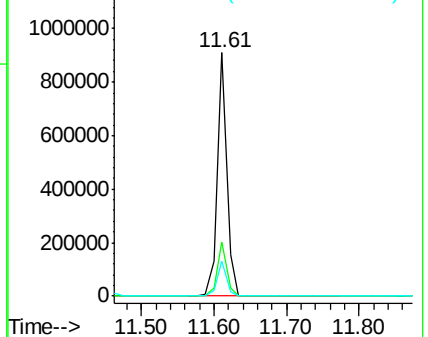
139 14.4 11.2 16.8

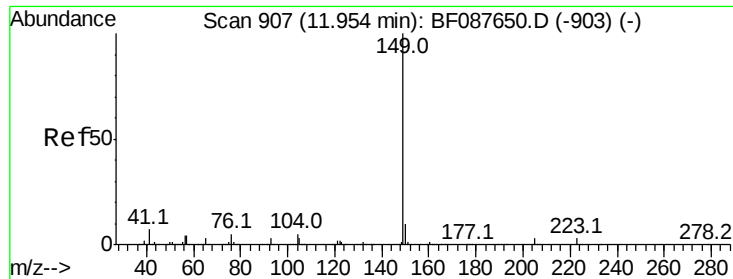


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.81 ng

RT: 11.95 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

ClientSampleId :

PB91074BS

Tot Ion:149 Resp: 1020183

Ion Ratio Lower Upper

149 100

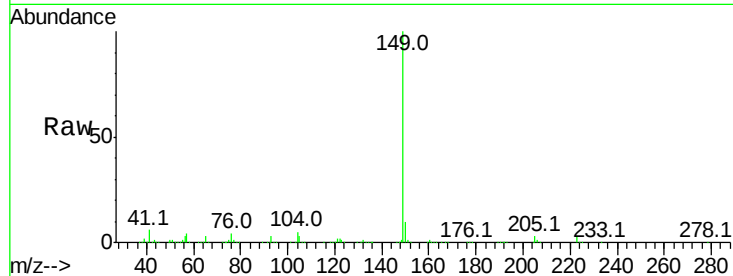
150 9.8 7.8 11.6

104 4.8 4.0 6.0

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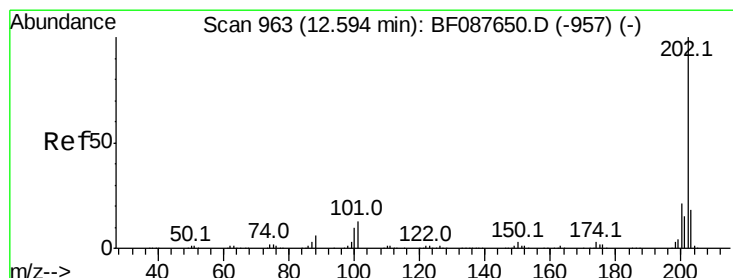
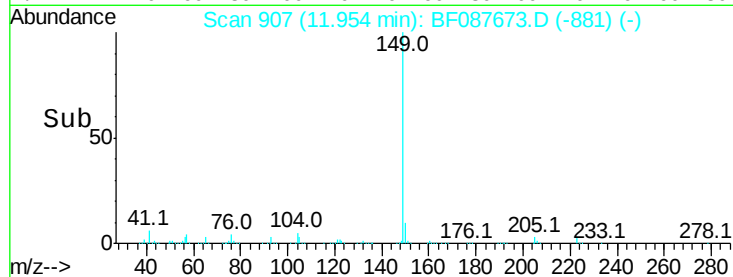
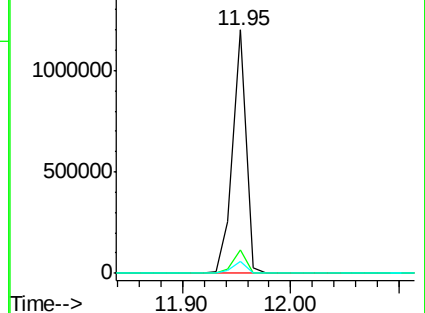
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.10 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

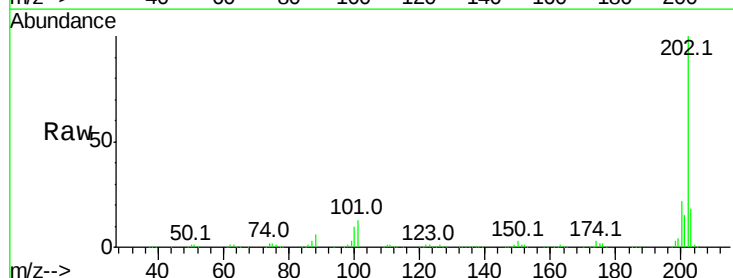
Tgt Ion:202 Resp: 930008

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.1

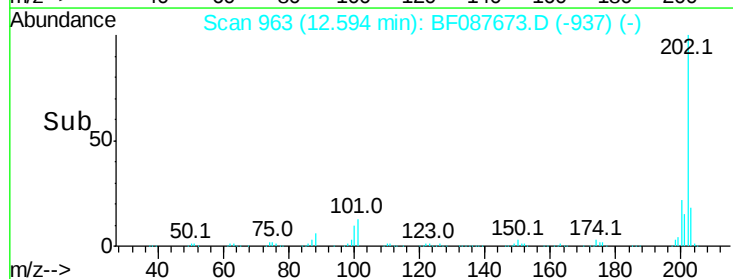
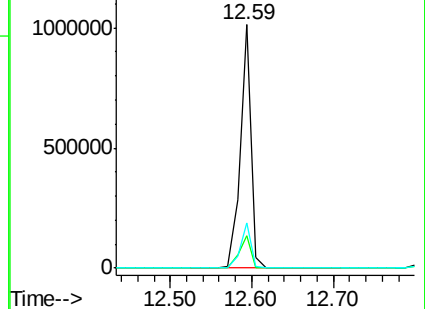
203 18.4 0.0 38.1

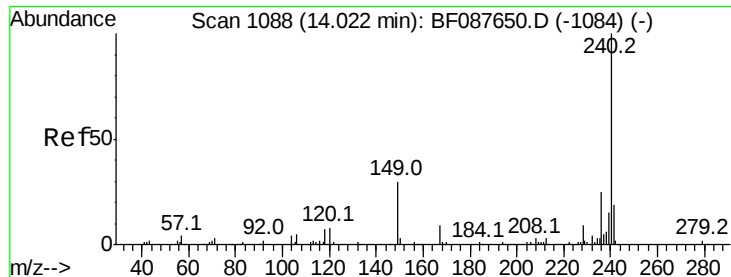


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

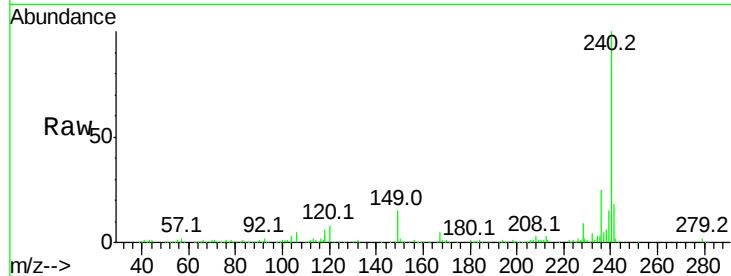
ClientSampleId :

PB91074BS

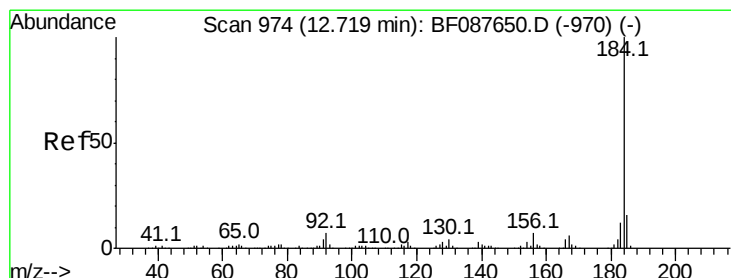
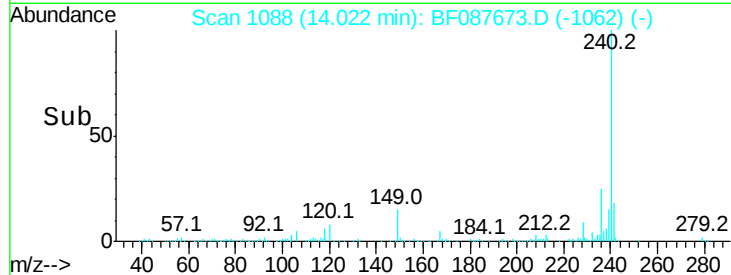
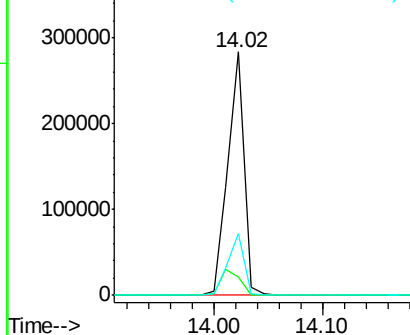
Tot Ion:	240	Resp:	293635
Ion Ratio	Lower	Upper	
240	100		
120	7.5	6.8	10.2
236	25.3	20.2	30.2

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 22.58 ng

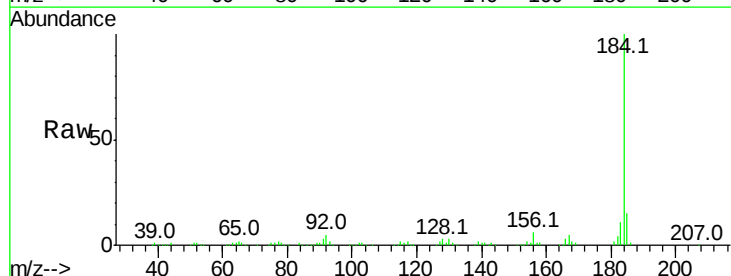
RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

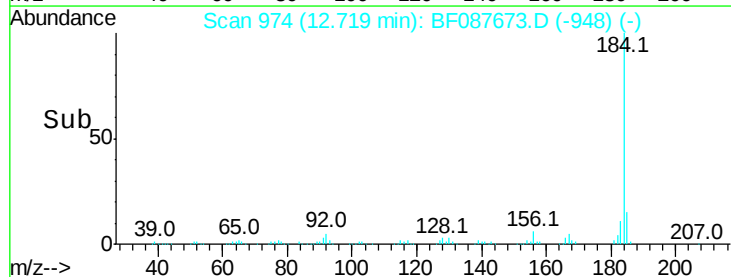
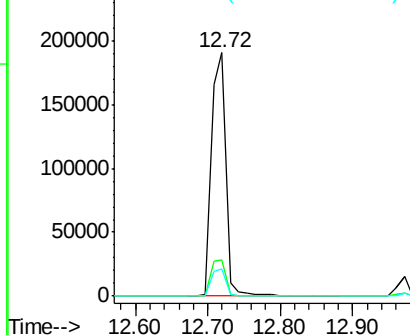
Lab File: BF087673.D

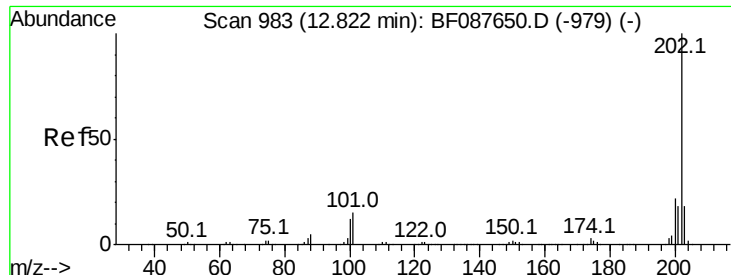
Acq: 4 Jun 2016 18:46

Tgt Ion:	184	Resp:	261440
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.5	18.7
183	11.2	9.3	13.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





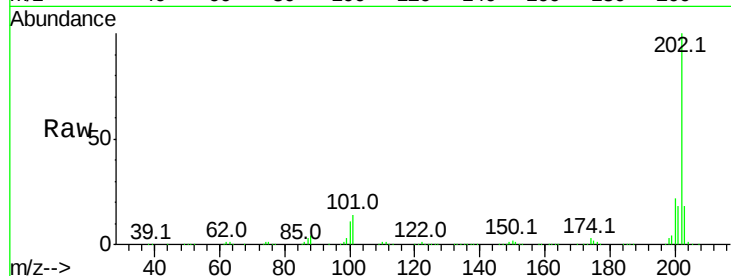
#77
Pvrene
Concen: 46.80 ng
RT: 12.82 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

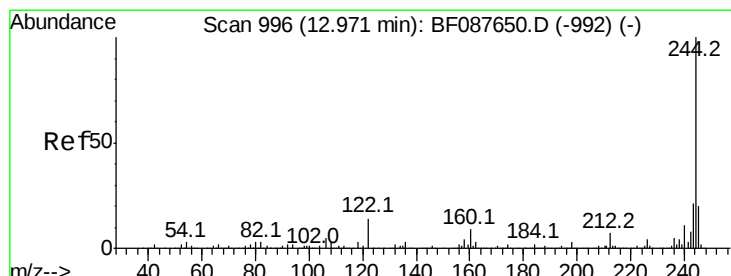
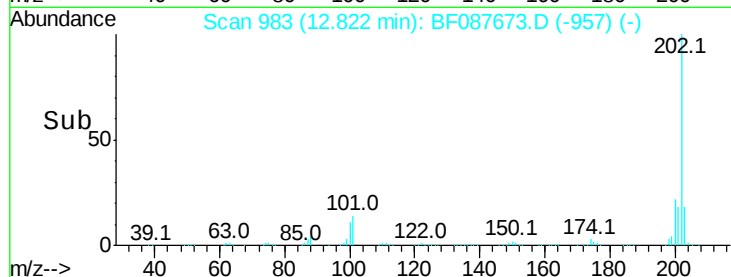
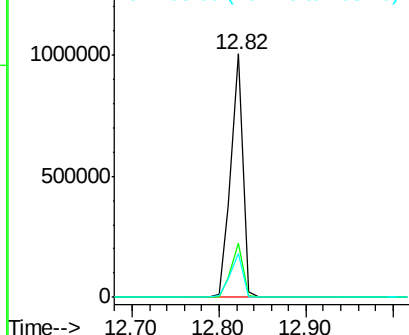
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.1	14.5	21.7

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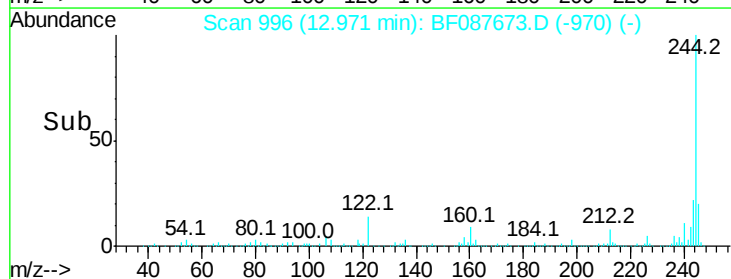
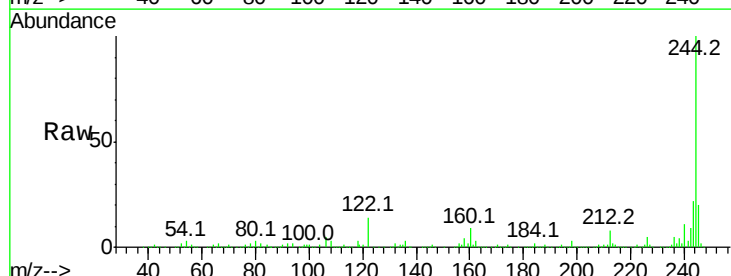
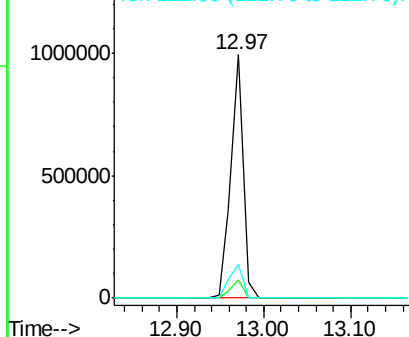
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

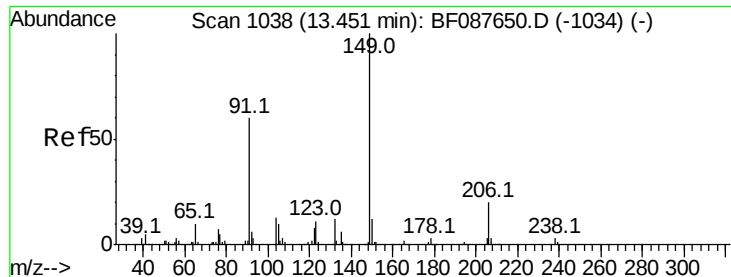


#78
Terphenyl-d14
Concen: 82.00 ng
RT: 12.97 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.7	11.2	16.8

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





#79

Butylbenzylphthalate

Concen: 50.26 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

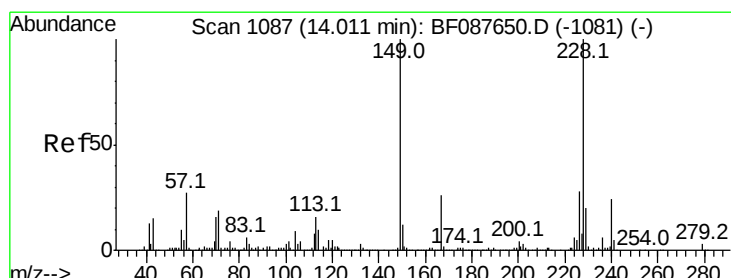
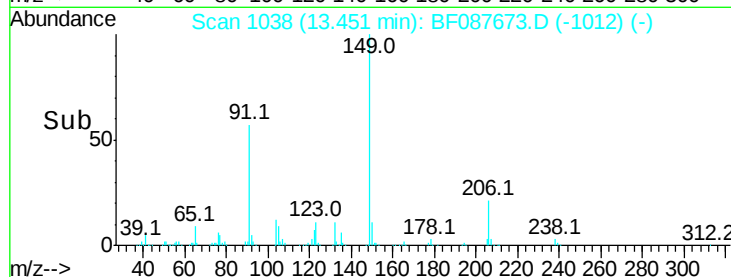
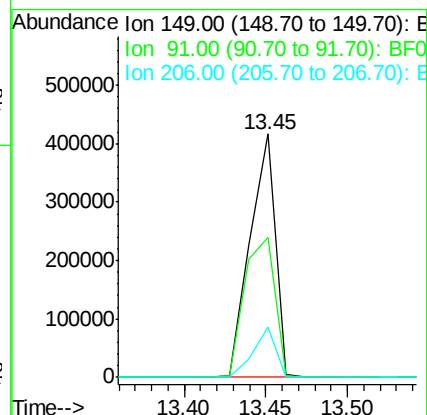
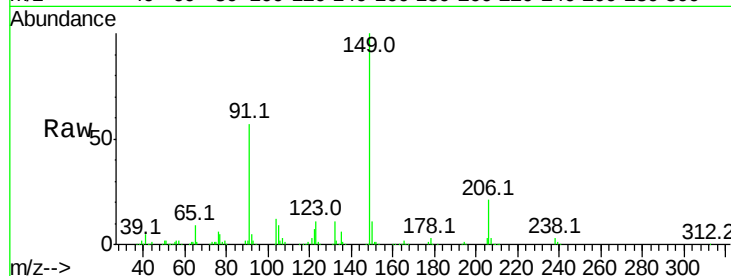
ClientSampled :

PB91074BS

Tot Ion:	149	Resp:	447265
Ion Ratio	Lower	Upper	
149	100		
91	57.2	48.0	72.0
206	20.8	16.0	24.0

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#80

Benzo(a)anthracene

Concen: 43.98 ng

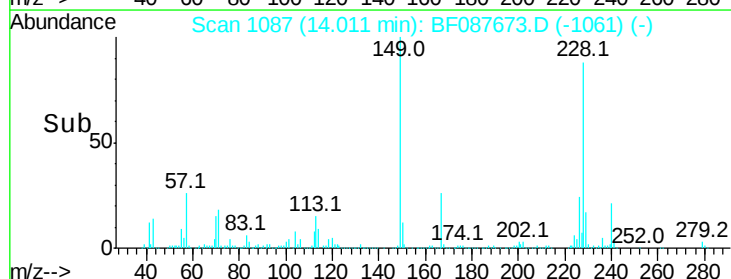
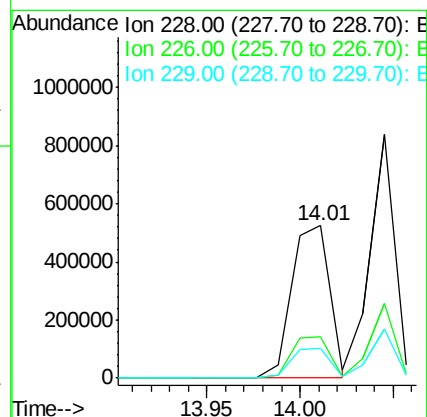
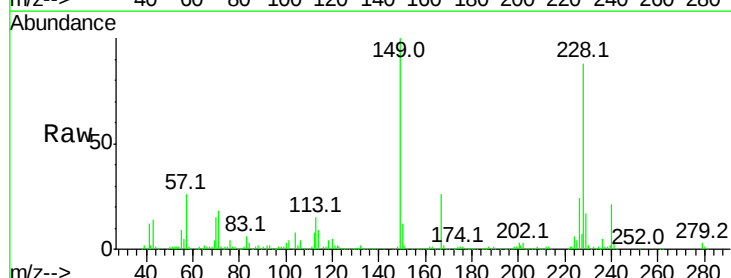
RT: 14.01 min Scan# 1087

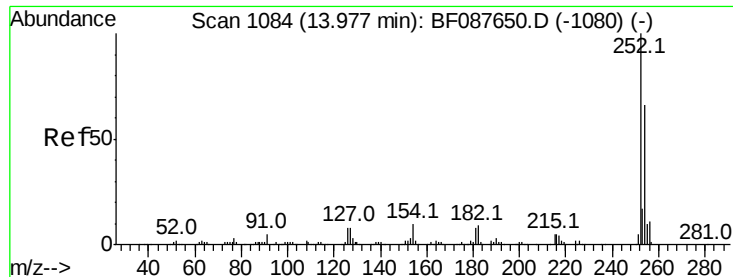
Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	228	Resp:	745312
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.3	33.5
229	19.6	16.0	24.0





#81

3,3'-Dichlorobenzidine

Concen: 26.47 ng

RT: 13.98 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

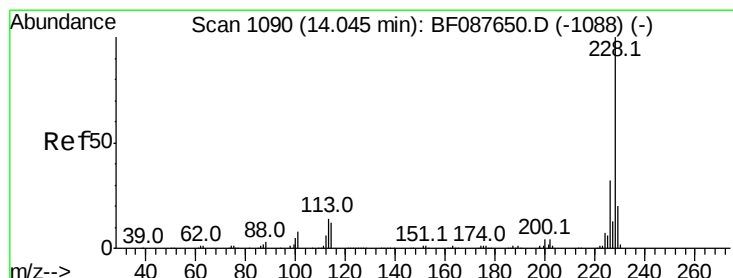
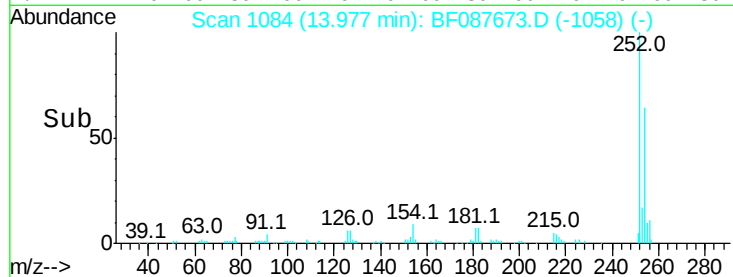
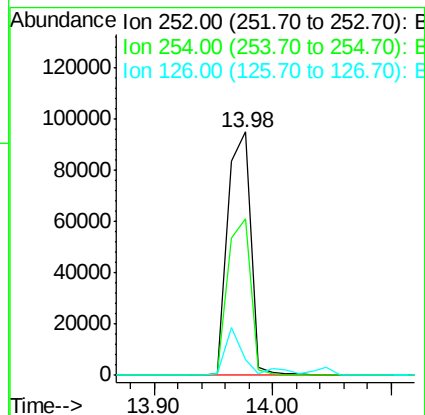
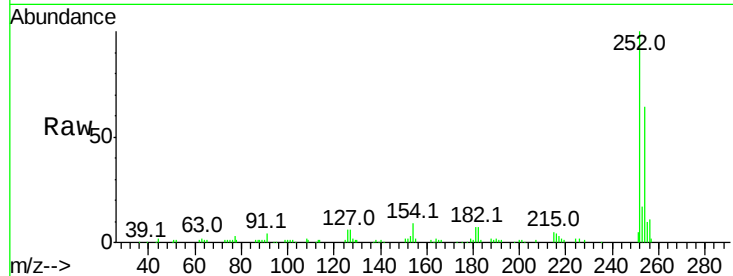
ClientSampleId :

PB91074BS

Tot Ion:	252	Resp:	126542
Ion Ratio	Lower	Upper	
252	100		
254	64.5	52.6	78.8
126	6.5	6.2	9.2

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#82

Chrysene

Concen: 45.72 ng

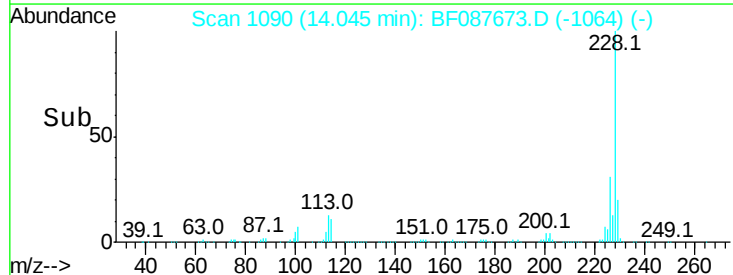
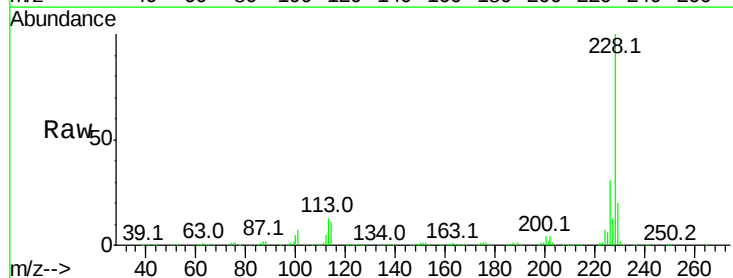
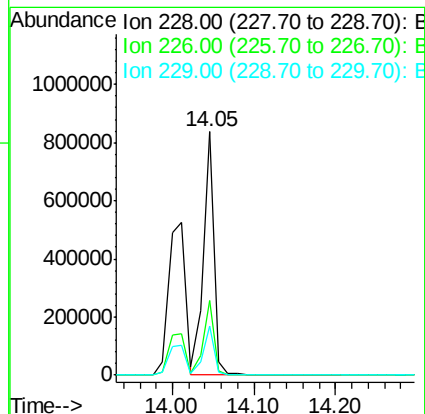
RT: 14.05 min Scan# 1090

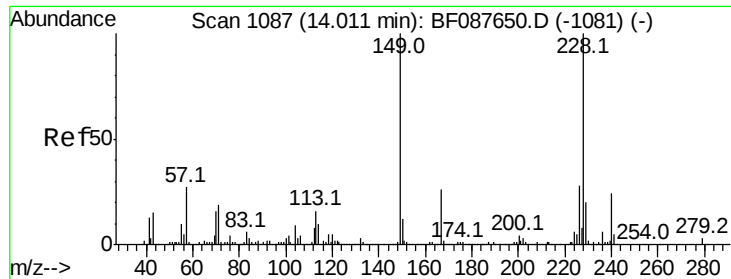
Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	228	Resp:	771186
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.2
229	20.1	16.3	24.5





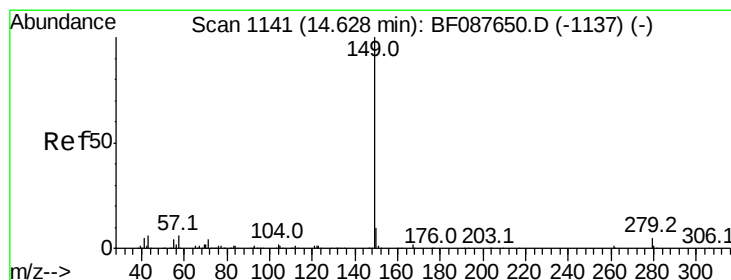
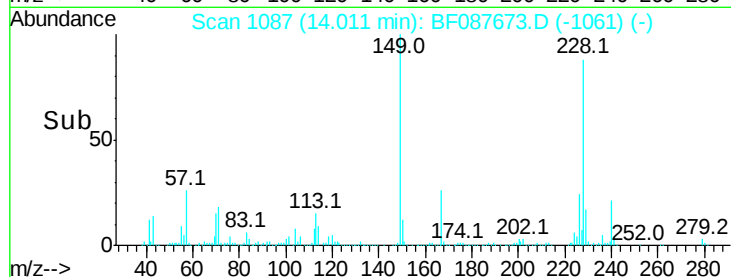
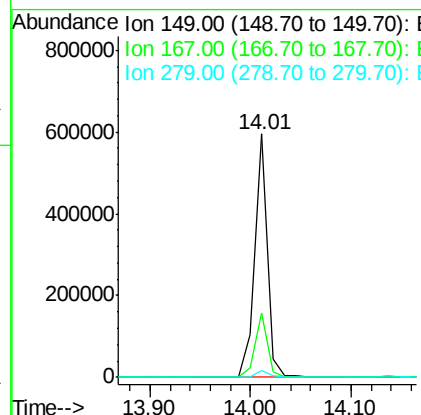
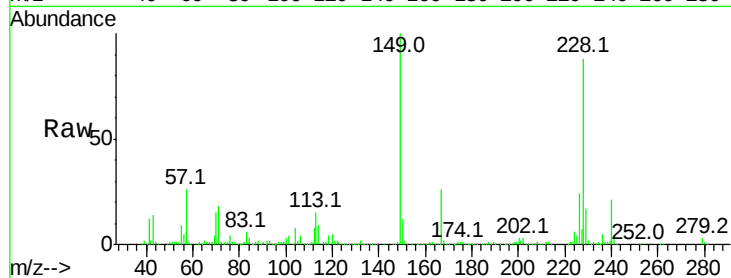
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.75 ng
 RT: 14.01 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	516293		
167	26.3	20.5	30.7	
279	2.8	2.0	3.0	

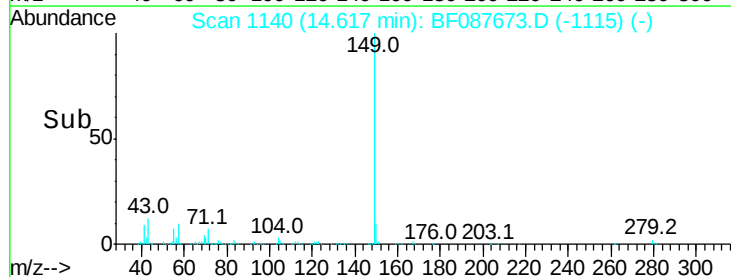
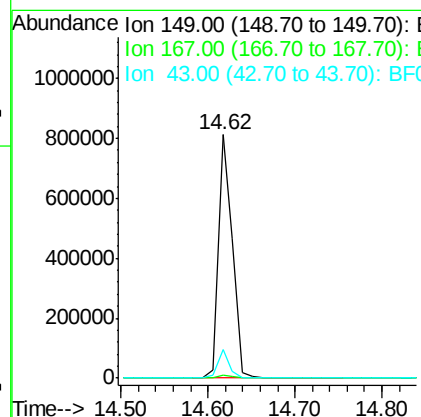
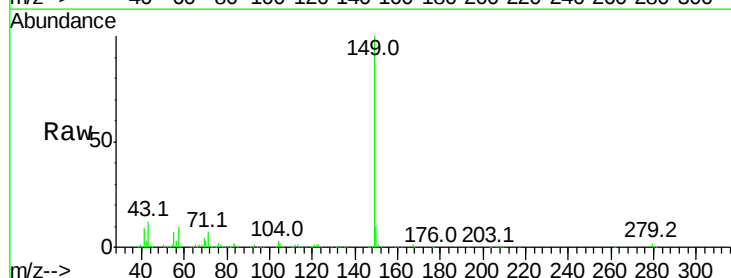
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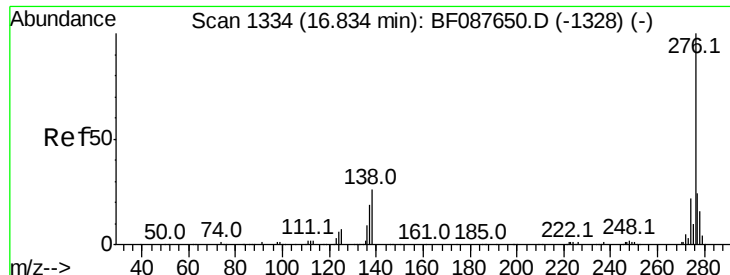
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#84
 Di-n-octyl phthalate
 Concen: 46.59 ng
 RT: 14.62 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	917271		
167	1.5	0.0	0.0#	
43	9.6	0.0	0.0#	





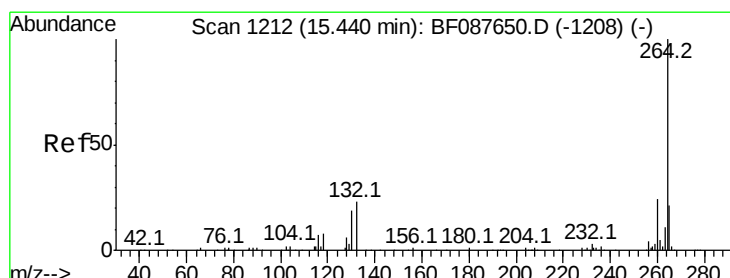
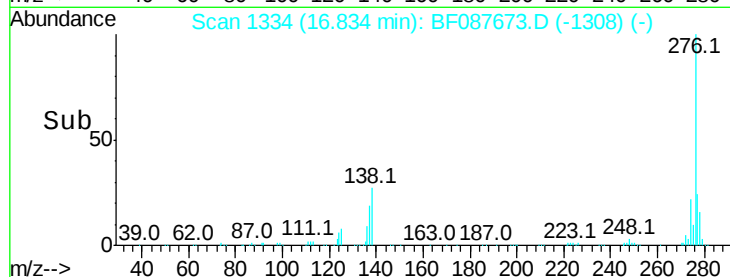
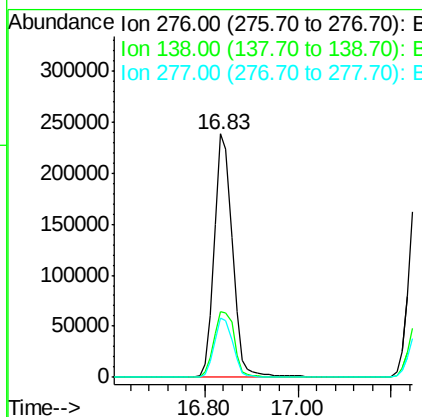
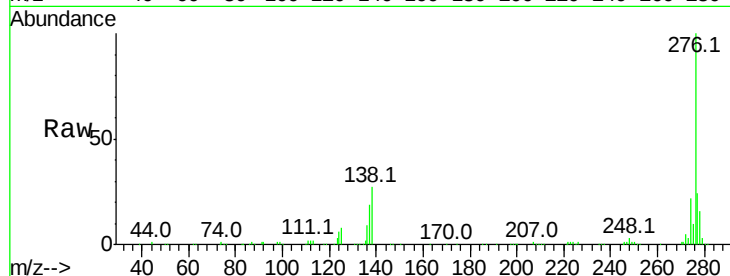
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 46.33 ng
 RT: 16.83 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	30.0	0.0	0.0#
277	25.0	0.0	0.0#

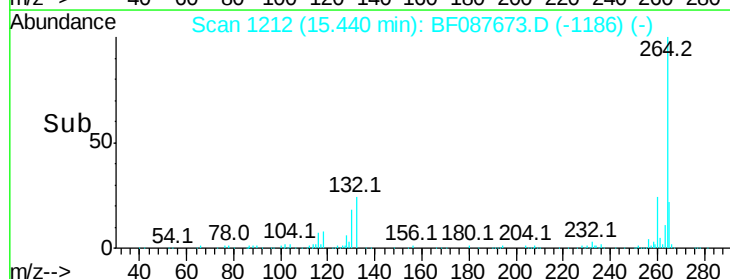
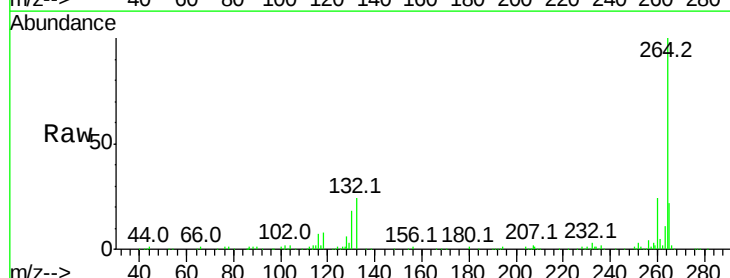
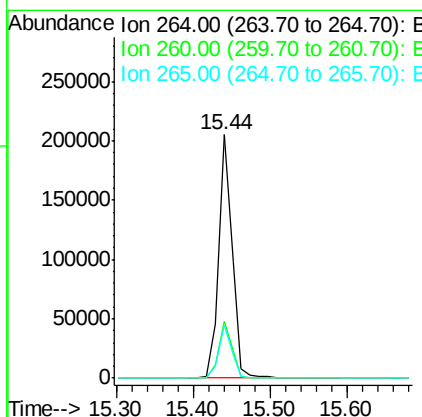
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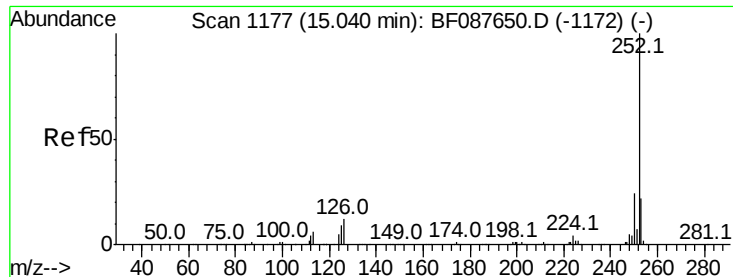
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 46.16 ng m

RT: 15.04 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Instrument :

BNA_F

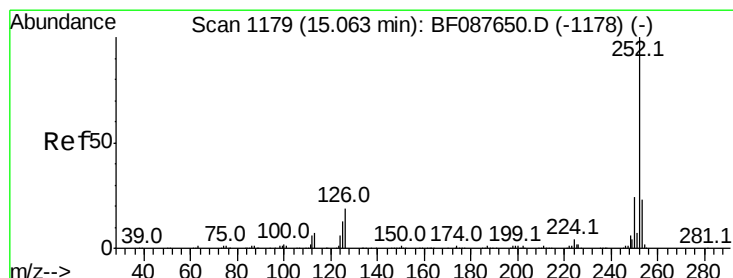
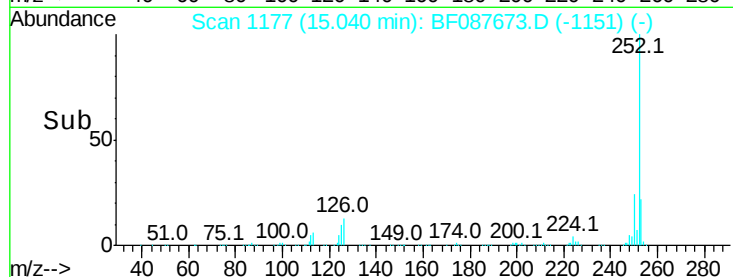
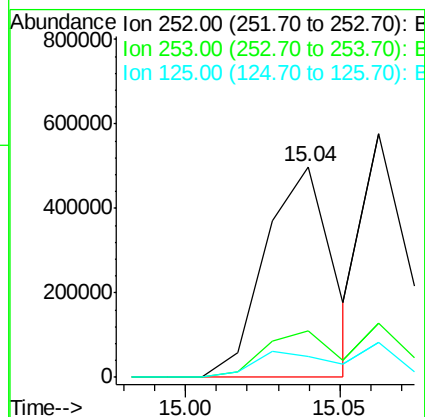
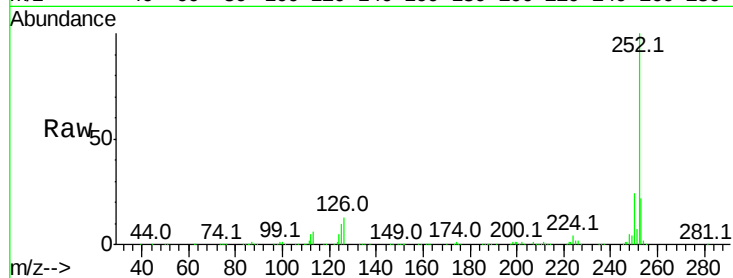
ClientSampleId :

PB91074BS

Tot Ion:	252	Resp:	756547
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	9.7	7.1	10.7

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#88

Benzo(k)fluoranthene

Concen: 41.85 ng m

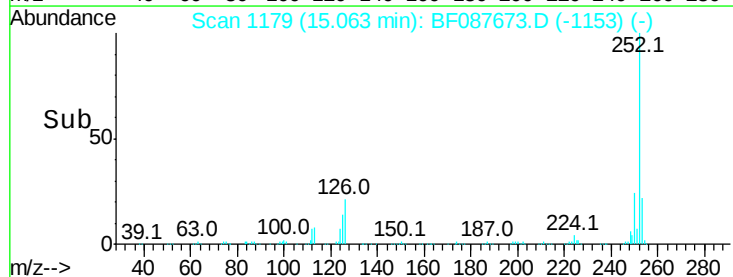
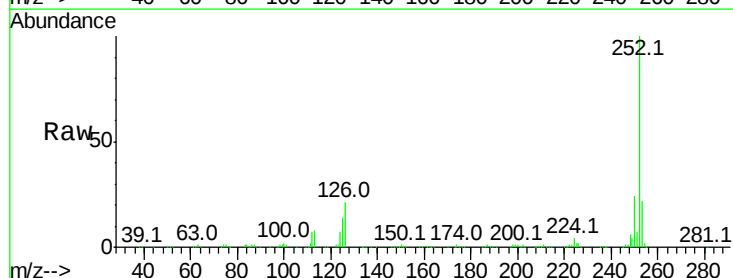
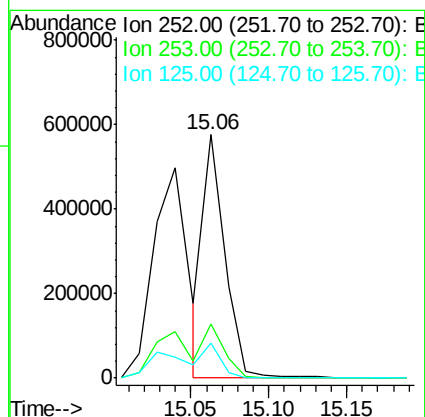
RT: 15.06 min Scan# 1179

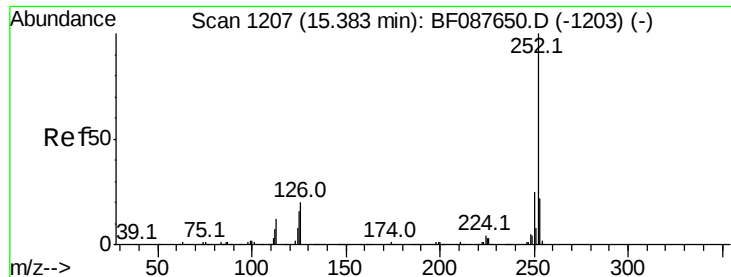
Delta R.T. 0.00 min

Lab File: BF087673.D

Acq: 4 Jun 2016 18:46

Tgt Ion:	252	Resp:	570680
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	14.3	11.2	16.8





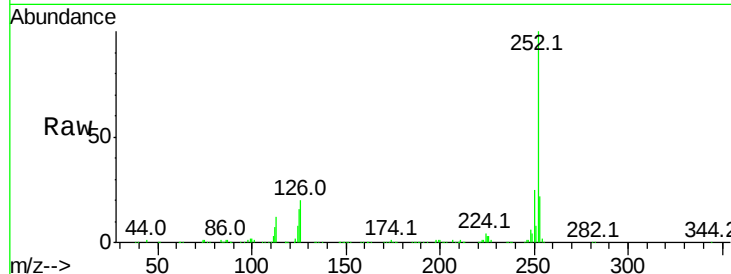
#89
Benzo(a)pyrene
Concen: 44.94 ng
RT: 15.38 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Instrument :
BNA_F
ClientSampleId :
PB91074BS

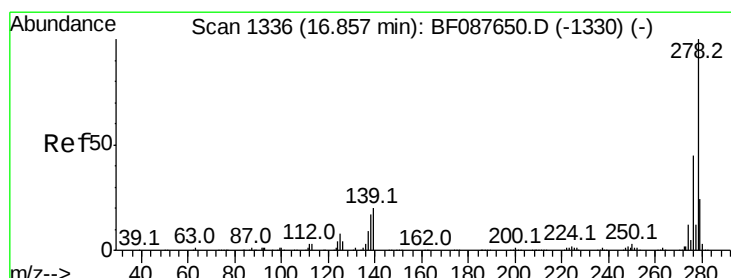
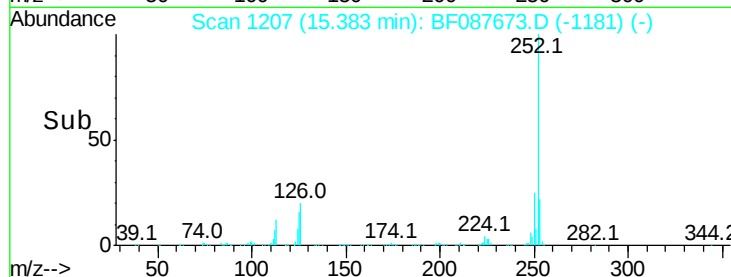
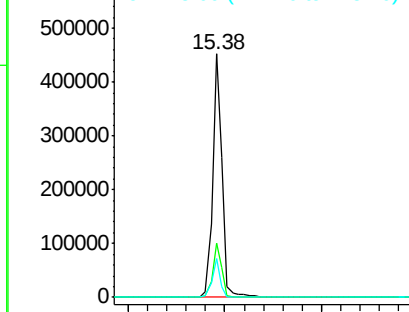
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	15.8	12.5	18.7

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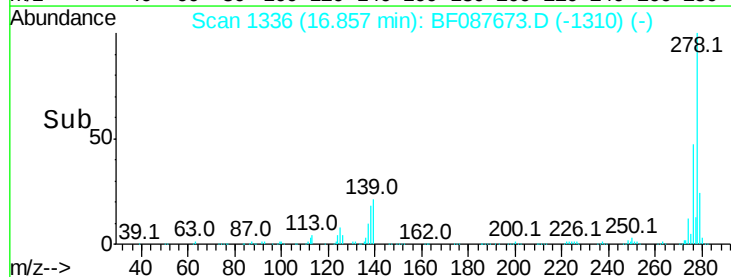
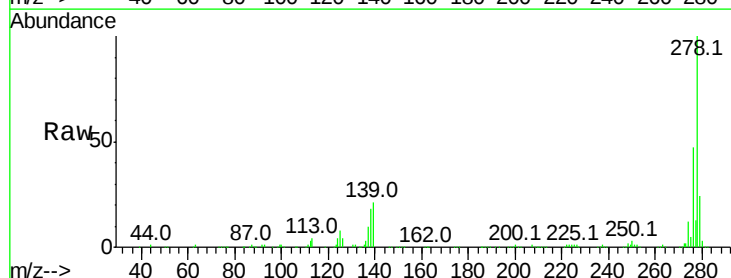
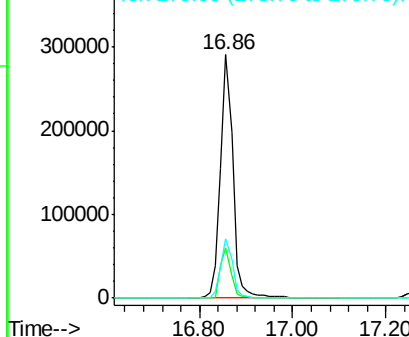
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

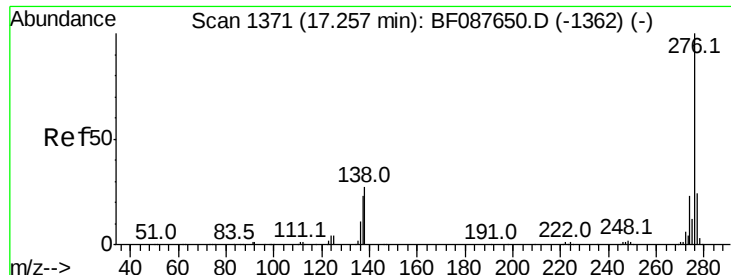


#90
Dibenzo(a,h)anthracene
Concen: 45.72 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF087673.D
Acq: 4 Jun 2016 18:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.7	23.5
279	24.2	19.4	29.2

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 45.67 ng
 RT: 17.26 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: BF087673.D
 Acq: 4 Jun 2016 18:46

Instrument :
 BNA_F
 ClientSampleId :
 PB91074BS

Tot Ion:	276	Resp:	540206
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.9	28.3
138	27.2	21.4	32.2

Manual Integrations
 APPROVED

SOHIL
 6/6/2016 7:18:28 PM

